

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

Chuska Energy Co.

3. ADDRESS OF OPERATOR

c/o 3E Company, Inc., Box 190, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

540' FSL & 820' FWL

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

5120

19. PROPOSED DEPTH

5800

17. NO. OF ACRES ASSIGNED

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4694 G.R.

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17	13 3/8	54.5	100	See attached for cement information
12 1/4	8 5/8	24	1300	
7 7/8	5 1/2	15.5	5800	

(see attached)

RECEIVED
JAN 05 1984DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

John Alexander

TITLE

Agent

DATE

12/28/83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS AND MINING

DATE:

BY:

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

COMPANY CHUSKA ENERGY COMPANY

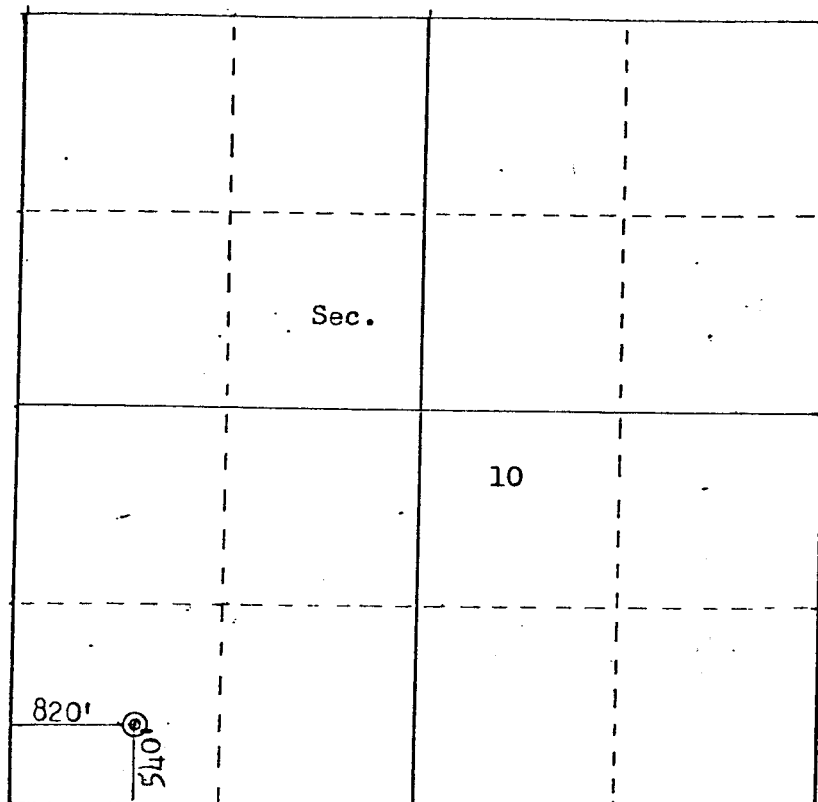
LEASE NAVAJO TRIBAL WELL NO. 14-10

SEC. 10, T. 40S, R. 24E
San Juan County, Utah

LOCATION 540' FSL 820' FWL

ELEVATION 4694 ungraded ground

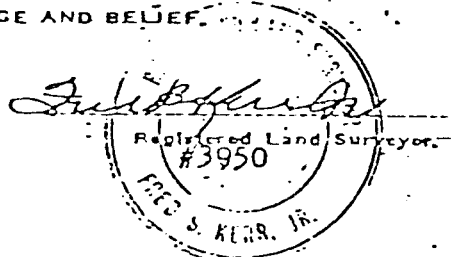
RECEIVED
JAN 05 1984
DIVISION OF
OIL, GAS & MINING



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL



SURVEYED December 20, 1983

FARMINGTON, N. M.

FORMATION INFORMATION AND
DRILLING PRACTICES

CHUSKA ENERGY CO.
Navajo Tribal No. 14-10
SESW Sec 10-40S-24E
San Juan Co., Utah

RECEIVED
JAN 05 1964

DIVISION OF
OIL, GAS & MINING

1. Surface Formation:

Morrison

2. Estimated Formation Tops:

Dechelly	2690
Organ Rock	2780
Hermosa	4600
Ismay	5440
Desert Creek	5600
Chimney Rock	5750
T.D.	5800

RECEIVED
JAN 05 1964

DIVISION OF
OIL, GAS & MINING

3. Estimated Depth of Anticipated Water, Oil, Gas or Minerals:

Oil	5440
Oil	5600

4. Proposed Casing Program:

0-100' 13 3/8", 54.5#/ft., ST & C, J-55 new casing; cement with 120 cubic feet class "B" +2% CaCl₂ + 1/4# celophane flakes per sack

0-1300' 8 5/8", 24#/ft. ST & C, K-55 new casing; cement with 800 cubic feet 65-35 poz mix + 6% gel + 3% CaCl₂ followed by 200 feet class "B" + 2% CaCl₂. Cement will be brought to surface.

0-5800' 5 1/2", 15.5#/ft., ST & C, K-55 new casing; cement with 450 cubic feet 50-50 poz mix + 2% CaCl₂ + 10% salt + 0.8% fluid loss additive. Cement top at 4,000'.

5. Pressure Control Equipment - Blow Out Preventor:

The attached schematic shows the type of blowout preventor to be used while drilling. The unit will be tested to 800 psi prior to drilling from under the surface pipe.

6. Drilling Fluids:

DEPTH	TYPE	VIS.	WEIGHT	FLUID LOSS
0-1300'	Gel-lime	35-45	9.0	not controlled
1300-4000'	Gel-chem	35-45	9.5	15cc
4000-5800'	Low solids	45-50	10.0	9cc

7. Auxiliary Equipment:

- a. Bit Float
- b. Stabbing valve to be used to drill pipe when kelly is not connected.

8. Logging - Coring - Testing Program:

Logging - Open Hole:	IES, CNL, FDC
Mud:	4000' to t.d.
Testing :	Possible in Lower Ismay and Desert Creek
Coring :	None Planned

9. Abnormal Temperatures, Pressures or Potential Hazards:

None Expected

10. Starting Date:

Anticipated starting date is February 1, 1984. Approximately 5 days will be required to build roads and location. Drilling will take about 15 days. Completion should be accomplished in 6 days.

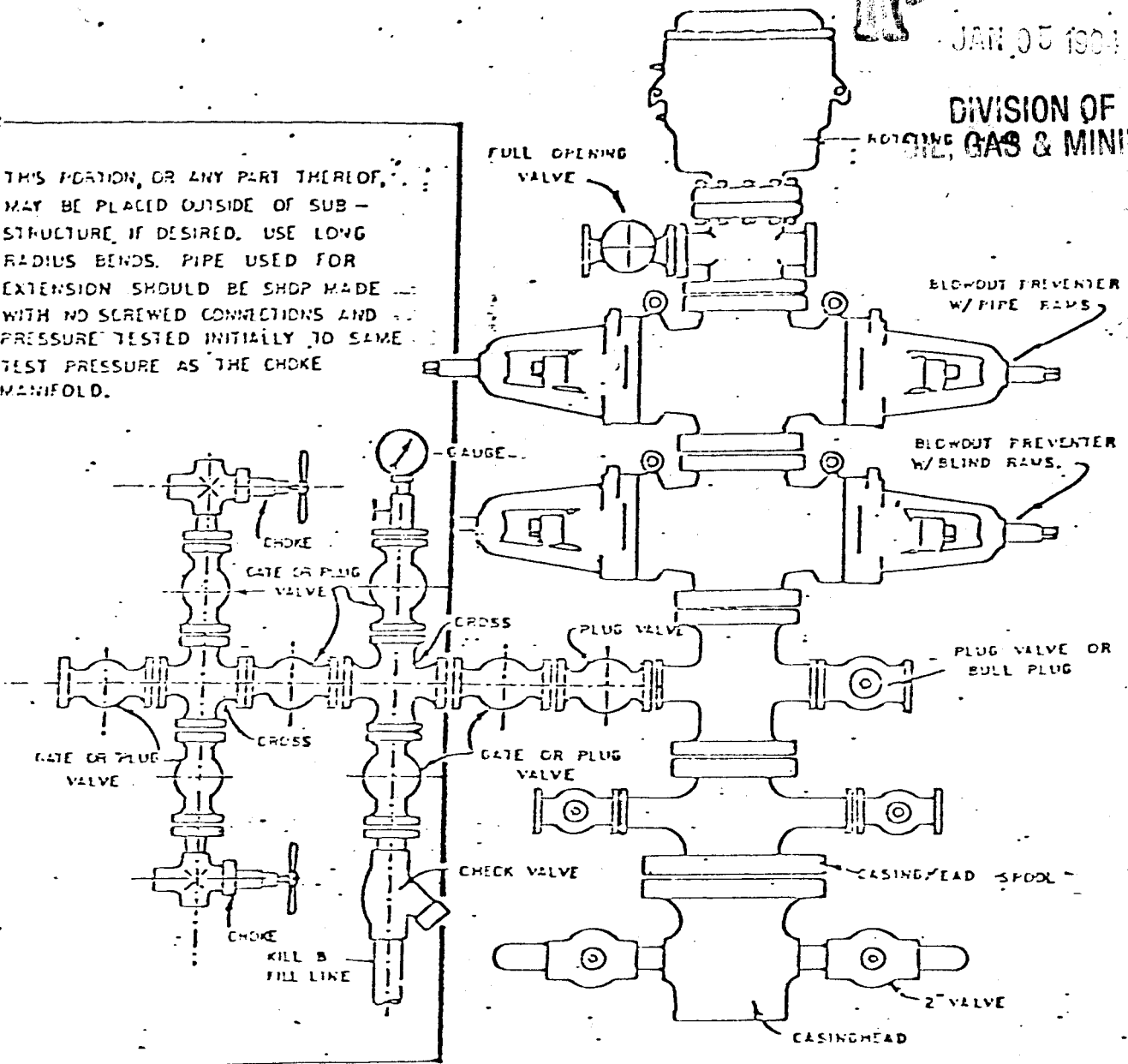
RECEIVED
JAN 05 1984

DIVISION OF
OIL, GAS & MINING

RECEIVED
JAN 05 1904

DIVISION OF
OIL, GAS & MINING

THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE, IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SCREWED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKE MANIFOLD.



BLOWOUT PREVENTER HOOKUP

SURFACE USE PLAN



CHUSKA ENERGY CO.
Navajo Tribal No. 14-10
SESW Sec 10-40S-24E
San Juan Co., Utah

DIVISION OF
OIL, GAS & MINING

1. Existing Roads (shown in green)

The attached topographic map show all existing roads within one mile of the proposed location. The access will be from Utah Hwy. 262 at the Aneth Trading Rost.

2. Planned Access Road (shown in red)

The new access road will exit from the south side of an existing secondary road. Total length of new road is 1000 feet. Maximum grade is 5%. No water bars, culverts, or turnouts are needed.

3. Location of Existing Wells

All existing oil, gas, water, drilling and disposal wells are shown on the attached topographic map.

4. Location to Tank Batteries, Prod. Facilities & Prod. Gathering & Service Lines

All production facilities are to be contained within the proposed location site. The operation has no other facilities in the area.

5. ✓ Location and Type of Water Supply

Fresh water for drilling will be trucked from the San Juan River, 12 miles South of the location.

6. Source of Construction Materials

Any gravel or other construction material that can not be obtained from the excess accumulated from building the location will be purchased from the Navajo Tribe.

7. Methods of Handling Waste Disposal

All trash will be carried to a land fill or burned. All nonburnable materials (drilling fluids, cuttings, chemicals) will be stored in the reserve pit and then buried when they have dried. Any oil produced while drilling will be trucked from the location prior to leaving pit to dry out. Pits will be completely fenced during drying time, then backfilled with dirt prior to preparing the location for production or abandonment.

8. A portable chemical toilet will be supplied for human waste.

9. Ancillary Facilities - No ancillary facilities are planned.

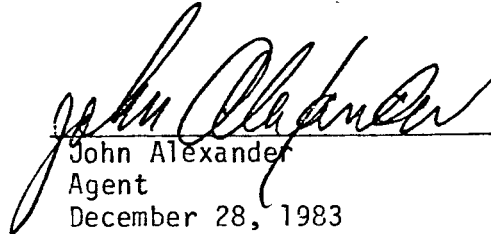
10. Well Site Layout - The attached layout shows the drilling rig with all associated facilities. Cut and fill required is also indicated.

11. Plans for Restoration of Surface

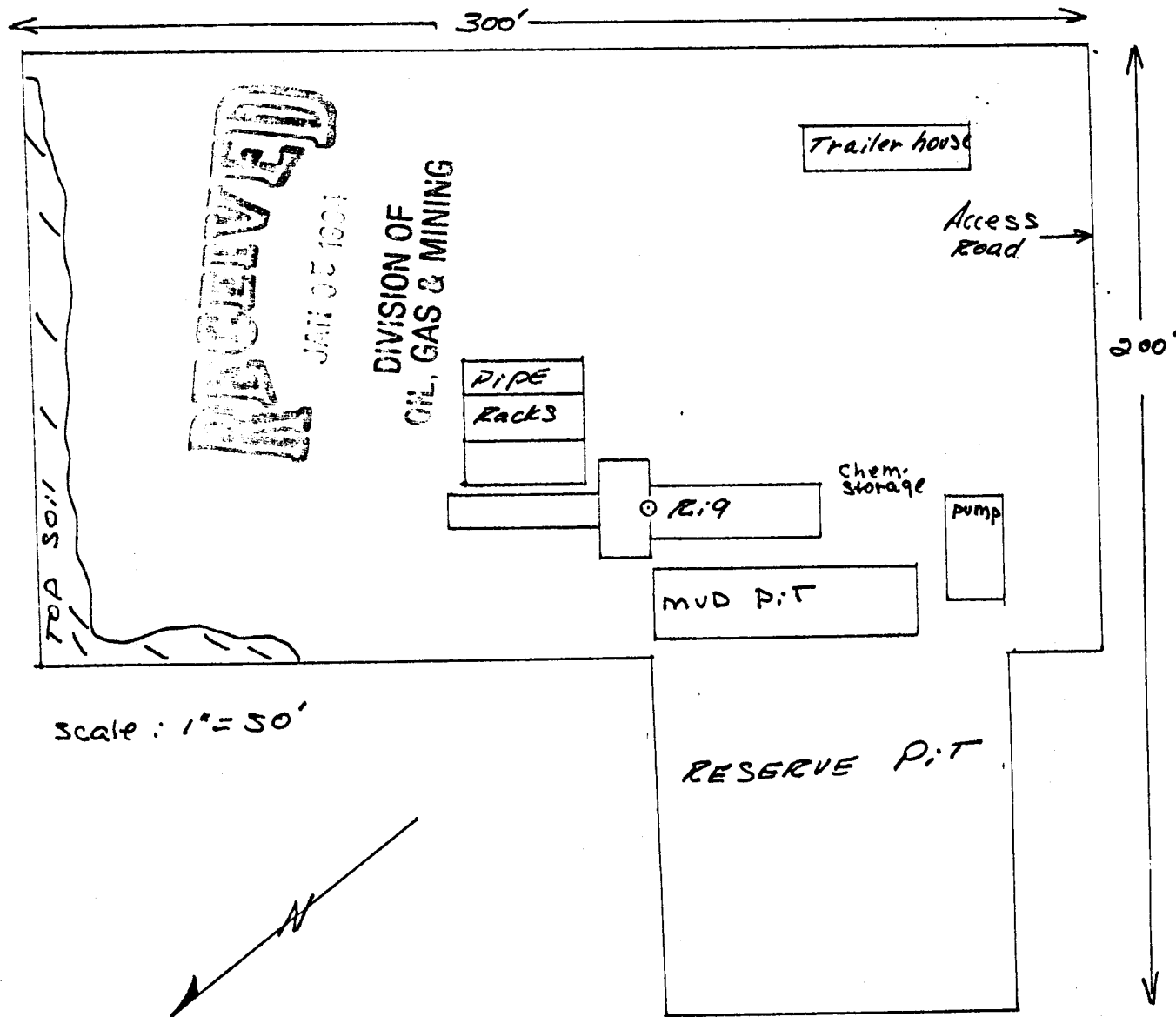
Restoration of the wellsite and access road will begin within 90 days of well completion, weather permitting, and if required by private land owner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drillsite and road will have any topsoil replaced and will be reseeded when germination of seeds can take place. In either case, cleanup of the site will include burning of any safely burnable material, filling of all pits,

carrying away of all nonburnable material and any chemicals that cannot be safely buried, and the hauling off of any oil that may have accumulated on the pits while drilling. A burn permit will be acquired if necessary.

12. This location is on a north westerly slope. The area is sandy and covered with native vegetation. No residences are in the immediate area.
13. John Alexander
3E Company, Inc.
Box 190
Farmington, NM 87499
Phone: 505-326-1135
14. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Chuska Energy Co. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

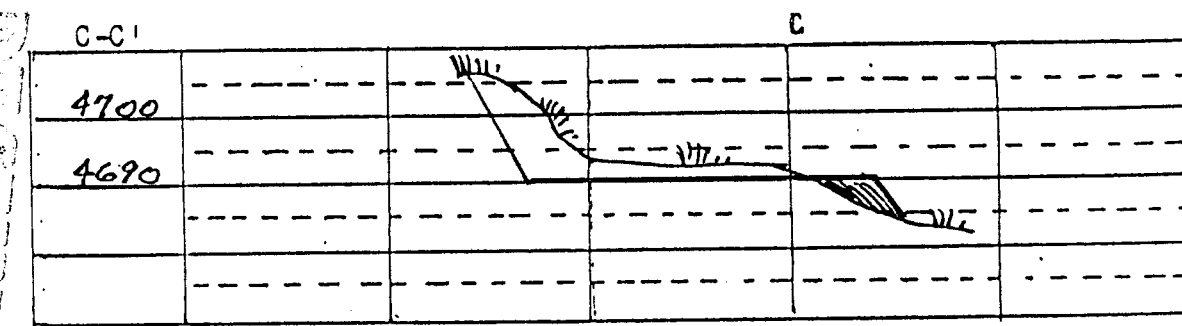
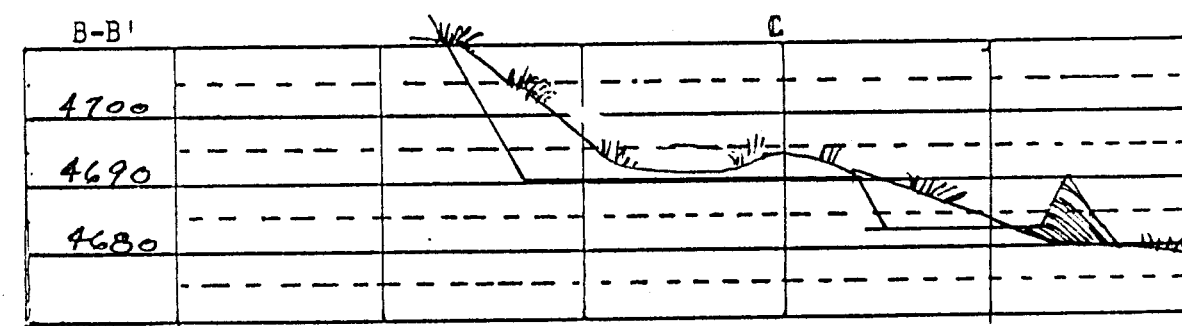
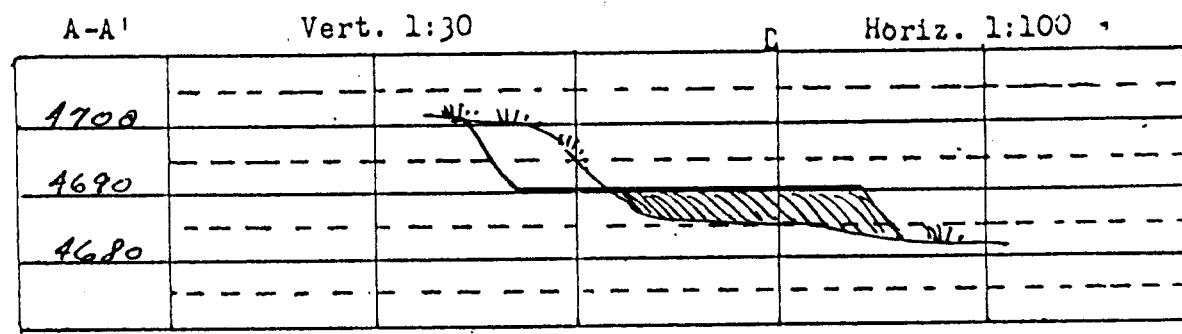
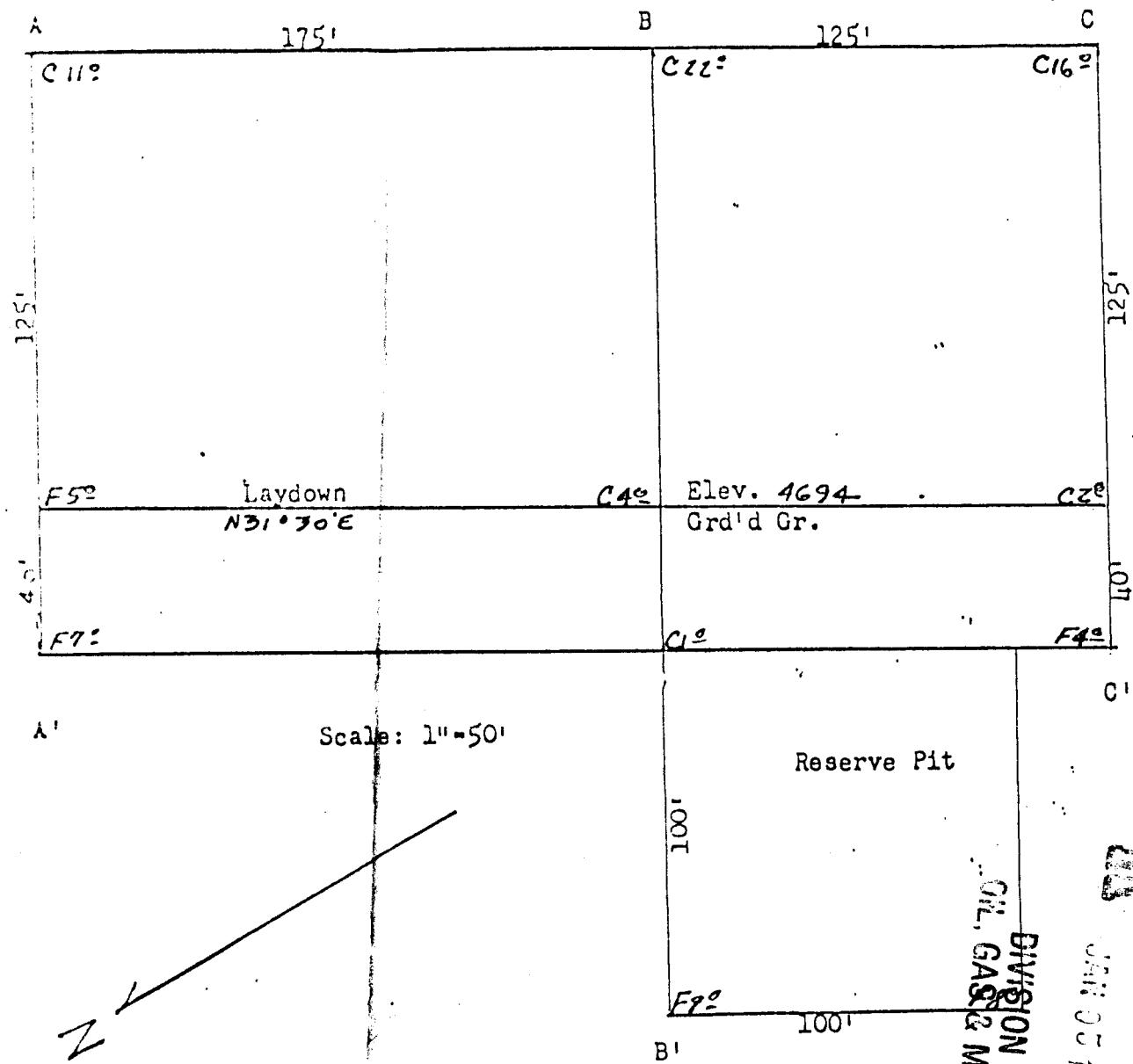

John Alexander
Agent
December 28, 1983

JA:kj

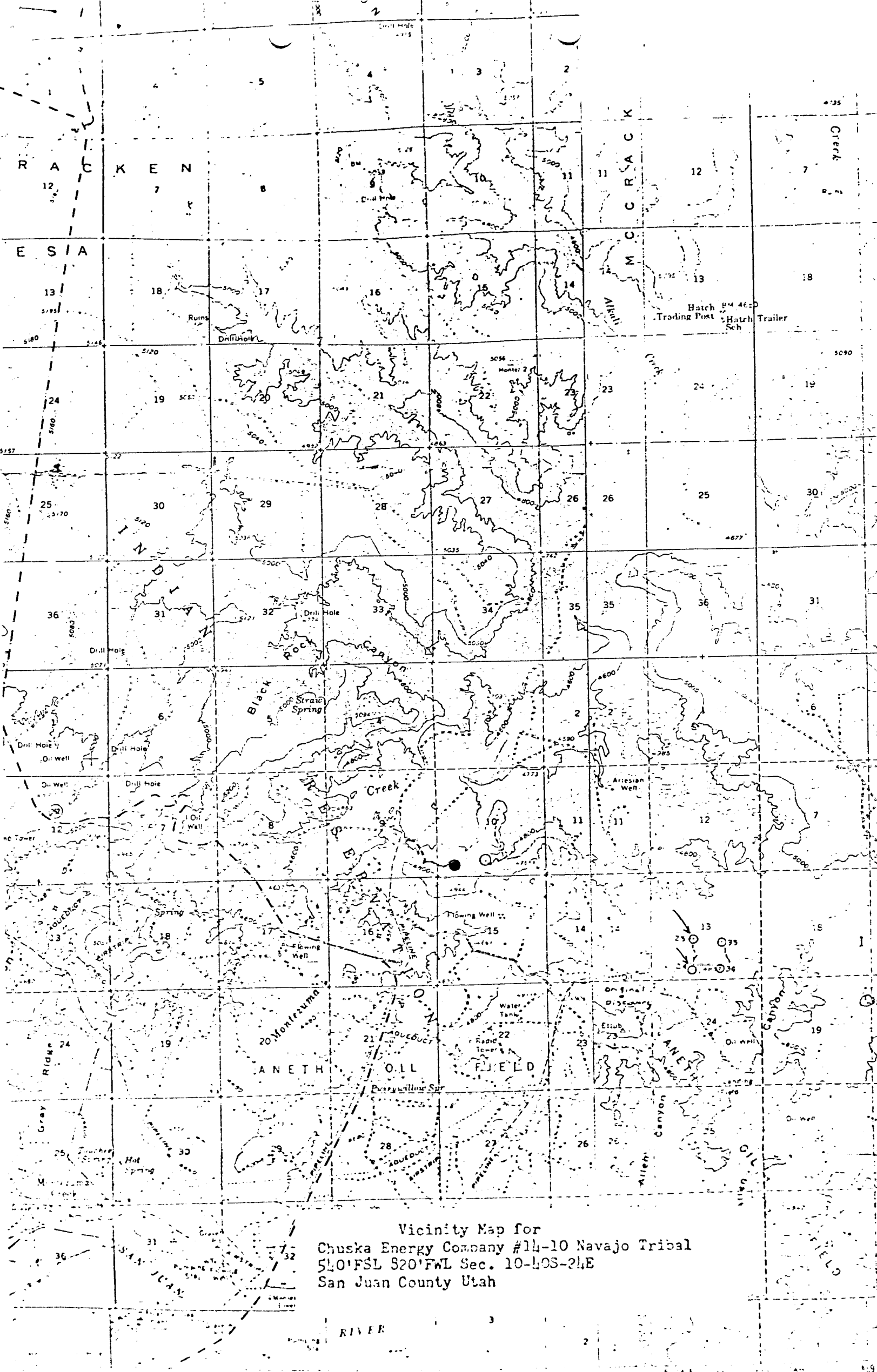


CHUSKA ENERGY
NAVAJO TRIBAL 14-10
SW 10-40S-24E
SAN JUAN, UTAH

Profile for
 Chuska Energy Company #14-10 Navajo Tribal
 540'FS 820'FW Sec. 10-40S-24E
 San Juan County Utah



RECEIVED
 JAN 25 1984
 DIVISION OF
 OIL, GAS & MINING



Vicinity Map for
Chuska Energy Company #14-10 Navajo Tribal
510° FSL S20° FWL Sec. 10-40S-24E
San Juan County Utah

OPERATOR Chuska Energy Co. DATE 1-6-84
WELL NAME Narajo Tribal 14-10
SEC SWSW10 T 40S R 24E COUNTY San Juan

43-037-30977
API NUMBER

Indian
TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

✓ CHIEF PETROLEUM ENGINEER REVIEW:

1/9/84 ✓

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT

☐ c-3-a _____ CAUSE NO. & DATE

☒ c-3-b

☐ c-3-c

SPECIAL LANGUAGE:

STIPULATION:

Water

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☒ APPLY SPACING CONSIDERATION

☐ ORDER _____

☐ UNIT _____

☒ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☐ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

☒ VERIFY LEGAL AND SUFFICIENT DRILLING WATER

January 9, 1984

Chuska Energy Company
c/o 3E Company, Inc.
P.O. Box 190
Farmington, NM 87499

Re: Well No. Navajo Tribal #14-10
SWSW Sec 10, T. 40S, R. 24E
540' FSL, 820' FWL
San Juan County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-C, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Chief Petroleum Engineer, Telephone (801) 533-5771 (Office), 571-6068 (Home)

The API number assigned to this well is 43-037-30977.

Sincerely,


R. J. Firth
Chief Petroleum Engineer

RJF/gl
cc: Branch of Fluid Minerals
Bureau of Indian Affairs
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals)

1. oil ☒ well ☒ gas well ☐ other2. NAME OF OPERATOR
Chuska Energy Co.3. ADDRESS OF OPERATOR
c/o 3E Company Inc., Box 190, Farmington, NM4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 250' FSL & 460' FWL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☒ move location

SUBSEQUENT REPORT OF:

RECEIVED
JAN 20 1984

(NOTE: For results of multiple completion or zone changes on Form 9-330.)

DIVISION OF
OIL, GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator request the location to be moved from 540' FSL & 820' FWL, Sec 10, 40S, 24E. This move is needed to avoid archaeological sites on the original location. Since this is a non-standard location, the state will be contacted for an exception to the spacing regulations. A new plat is attached, remainder of the application is unchanged.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED John Alexander TITLE Agent DATE 1/17/84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

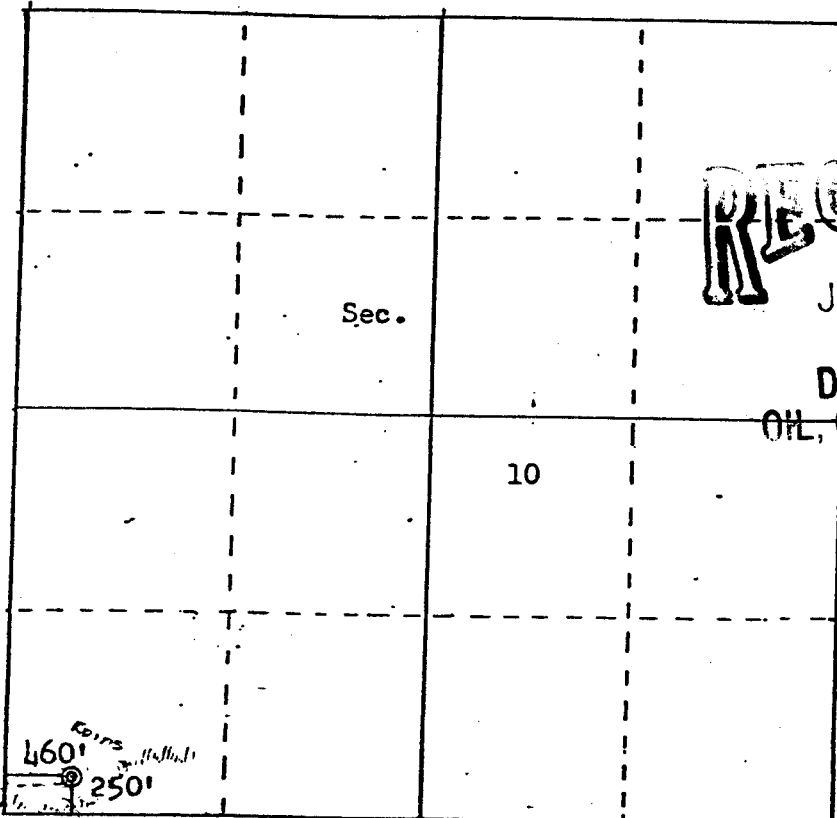
COMPANY CHUSKA ENERGY COMPANY

LEASE NAVAJO TRIBAL WELL NO. 14-10

SEC. 10, T. 40S, R. 24E
San Juan County, Utah

LOCATION 250' FSL 460' FWL

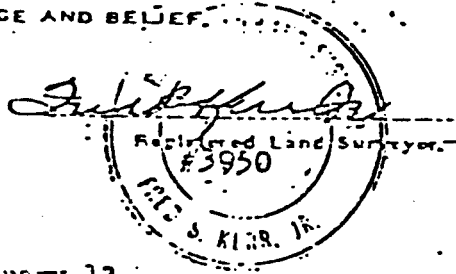
ELEVATION 4708 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

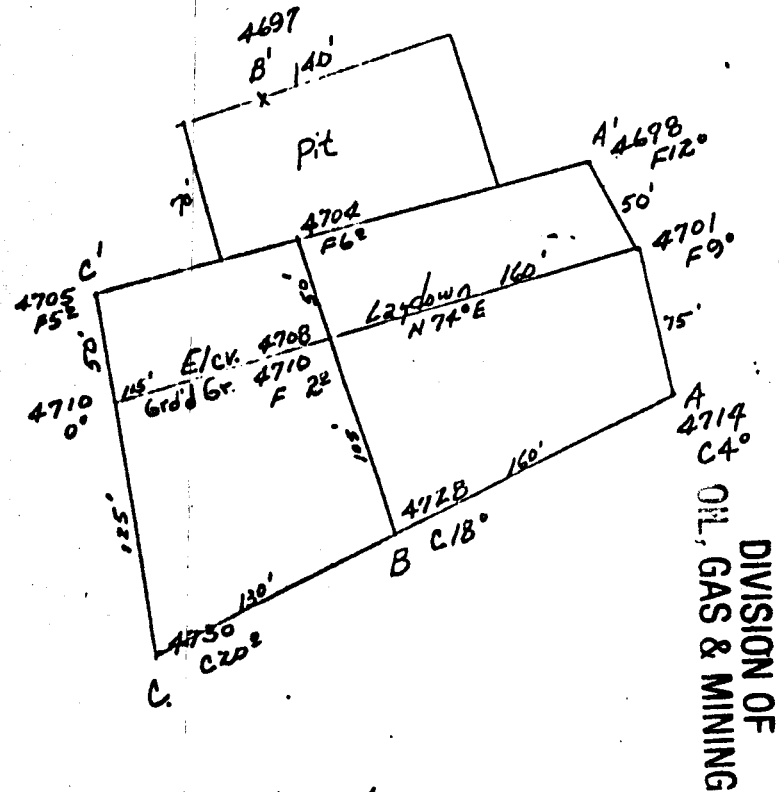
SEAL:



SURVEYED January 13 1984

FARMINGTON, N. M.

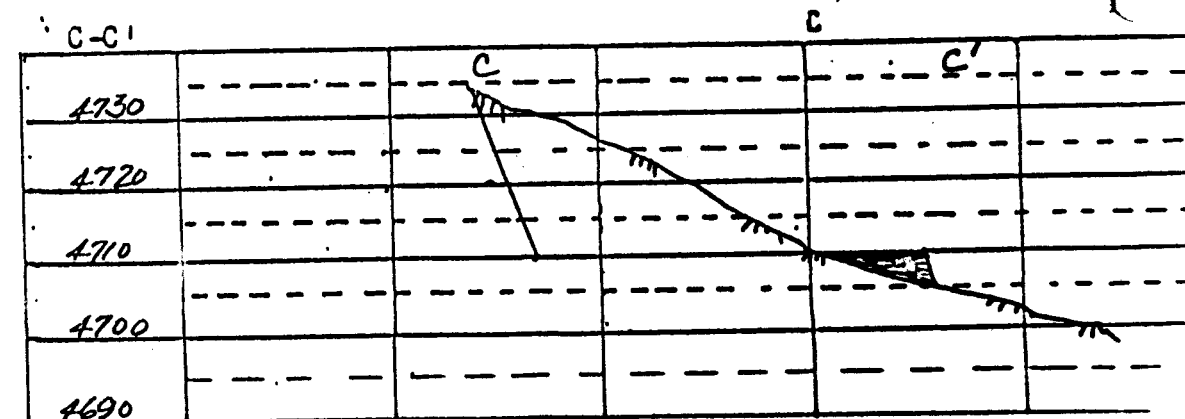
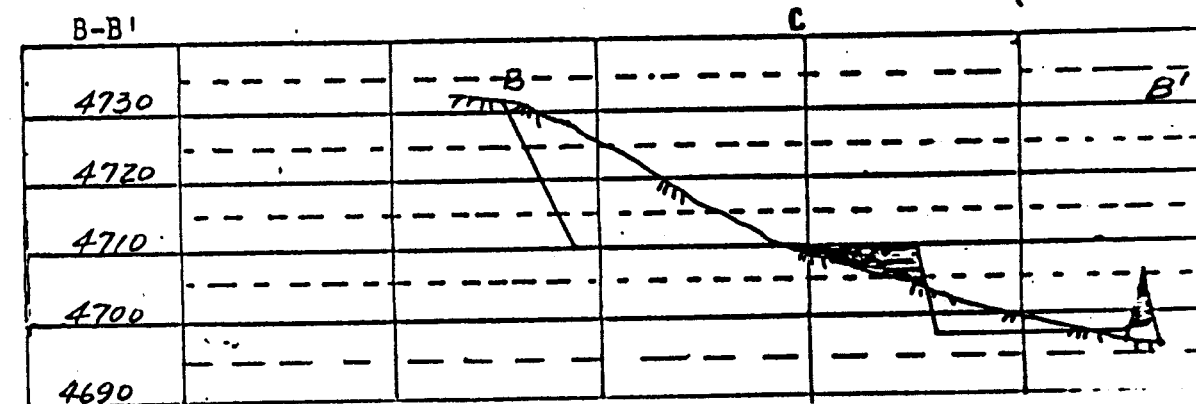
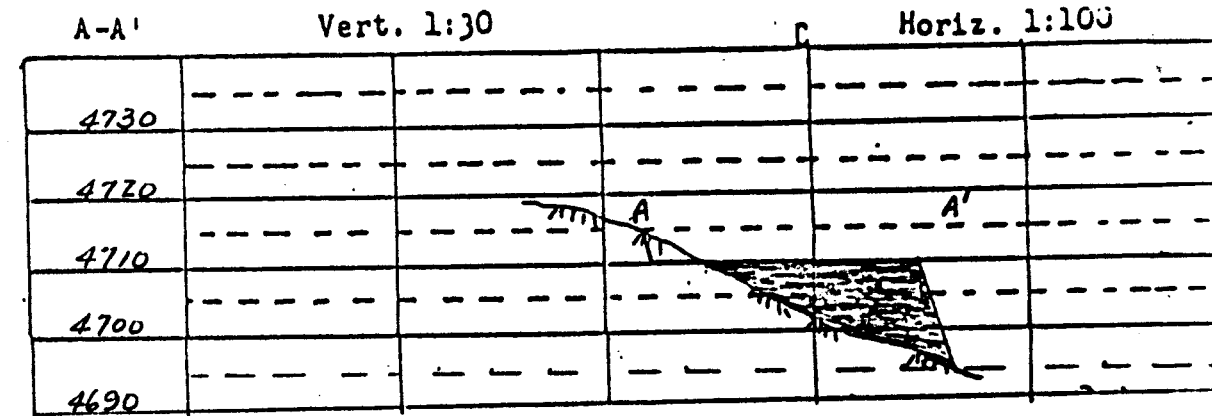
Profile Map for
Chuska Energy #14-10 Navajo Tribal
250'FS 460'FW Sec 10-4OS-24E
San Juan County Utah



1" = 100'

NOTE:
Odd size location to fit
archeological clearance.

RECEIVED
JAN 20 1981



RECEIVED

JUN 6 1984

**DIVISION OF OIL
GAS & MINING**

May 25, 1984

**GOV - EXCEPTION LOCATION
CHUSKA ENERGY COMPANY
NAVAJO TRIBAL 14-10
SAN JUAN COUNTY, UTAH**

**Mr. John Alexander
3E Company, Inc.
P.O. Box 190
Farmington, NM 87499**

By your letter of April 27, 1984, you request that Texaco give consent to, and waive right of public hearing to the following described well location:

**250' FSL and 460' FWL
Section 10 - T40S - R24E
San Juan County, Utah**

Texaco, as Operator of the Aneth Unit, and as owner of oil and gas rights within a radius of 660' of the proposed well, does not consent to the proposed location. The proposed location is in violation of the specific requirements of the Order of the Commission dated February 24, 1960, Cause No. 17:

**IN THE MATTER OF THE APPLICATION OF
THE TEXAS COMPANY, THE CARTER OIL
COMPANY AND CONTINENTAL OIL COMPANY
FOR AN ORDER ESTABLISHING 80-ACRE
DRILLING UNITS FOR THE ANETH POOL,
SAN JUAN COUNTY, UTAH, WITH REFERENCE
TO THE KNOWN PRODUCING ZONES OF THE
HERMOSA FORMATION (CAUSE NO. 8)**

Mr. John Alexander
3E Company, Inc.
Page 2

Very truly yours,

SIGNED: C. H. KOSUB

C.H. KOSUB
Manager - Operations and
Attorney-In-Fact

FSH:cub

cc: Board of Oil, Gas and Mining
Utah Department of Natural Resources ✓
4241 State Office Building
Salt Lake City, UT 84114

U.S. Bureau of Land Management
125 West 2nd S. Main
P.O. Box 970
Moab, UT 84532

Shell Oil Company
P.O. Box 831
Houston, TX 77001

Attn: Mr. J.H. Smitherman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN:
(Other instructions
verse side)

CATE
OR FE

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		RECEIVED OCT 01 1984 DIVISION OF OIL GAS & MINING
2. NAME OF OPERATOR Chuska Energy Company		
3. ADDRESS OF OPERATOR Box 2118, Farmington, NM 87499		
4. LOCATION OF WELL (Report location clearly and in accordance with an approved survey. See also space 17 below.) At surface 250 FSL 460 FWL Sec. 10T40SR24E Bottom Hole 525 FWL 525 FSL Sec. 10T40SR24E		
14. PERMIT NO. 43 037 30977	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4694GL	

5. LEASE DESIGNATION AND SERIAL NO. NOG 8308 1033	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Navajo Tribal	
9. WELL NO. 14-10	
10. FIELD AND POOL, OR WILDCAT Aneth	
11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 10T40SR24E	
12. COUNTY OR PARISH San Juan	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This will be a change from the original application of proposed surface location, 540 FSL 820 FWL Sec. 10T40SR24E, to a surface location of 250 FSL 460 FWL Sec. 10, T40S, R24E. The well is to be drilled directionally to a bottom hole location of 525 FWL 525 FSL, Sec. 10, T40S, R24E. The well is to be kicked off directionally at 4000 Ft. with deviation of approximately 7°.

Markers and zones: DeChelly 2690, Organ Rock 2780, Hermosa 4600, Ismay 5440, Desert Creek 5600, Chimney Rock 5750. Total Vertical Depth: 5800.

All other items of the original APD filed remain unchanged.

STIPULATION:

Directional drilling data must be submitted upon completion of drilling operations to properly ascertain the location of the producing formation.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 10/2/84
BY: John R. Boye

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]

TITLE

Supervisor

DATE

08/30/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-037-30977

NAME OF COMPANY: CHUSKA

WELL NAME: NAVAJO TRIBAL #14-10

SECTION SW SW 10 TOWNSHIP 40S RANGE 24E COUNTY San Juan

DRILLING CONTRACTOR Energy Search

RIG # 2

SPUDDED: DATE 1-18-85

TIME 8:15 PM

HOW Rotary

DRILLING WILL COMMENCE

REPORTED BY John Alexander (3E Company)

TELEPHONE #

DATE 1-21-85 SIGNED RJF



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 23, 1985

Bureau of Land Management
Branch of Fluid Minerals
P.O. Box 970
Moab, Utah 84532

Attention: Carol Fruediger

Gentlemen:

Re: Well No. Navajo Tribal 14-10 - Sec. 10, T. 40S., R. 24E.
San Juan County, Utah - API #43-037-30977 - Lease #NOG 8308 1033
Operator of Record - Chuska Energy Co.

The above referred to well in your district was given State of Utah approval to drill January 9, 1984. This office has not received notification of any activity on this location.

If you have received any information on this location would you please send a copy to this office?

Thank you for your help in keeping our records up to date.

Sincerely,

Claudia L. Jones
Well Records Specialist

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File
0009S/1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TR
(Other, instruct
verse side)

DATE
in re

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

3

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Chuska Energy Co.

3. ADDRESS OF OPERATOR

P. O. Box 2118 Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

250' FSL & 460' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4694' GR

5. LEASE DESIGNATION AND SERIAL NO.

NOG-8308-3033

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo Tribal

9. WELL NO.

14-10

10. FIELD AND POOL, OR WILDCAT

Aneth

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

10-40S-24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

Set 76' 13 3/8 54.5 lb casing with a rat hole rig on 1/17/85. Cemented with 79 cu.ft Class "B" cement. Moved in Energy Search Rig 2. Spudded 12 1/4" hole at 2015 hours 1/18/85. Drilled to 1564'. Ran 8 5/8" 24 lb per foot casing to 1549'. Cemented with 930 cu.ft. Class "B" + 4% Gel + 0.6% Halad-9 + 1/2 lb Flocele per sack followed by 354 cu.ft Class "B" + 1/4 lb Flocele per sack + 2% CaCl2. Maintained partial circulation throughout job. Used 207 cu.ft Class "B" + 3% CaCl2 as an outside job with cement holding constant at the surface. Job complete 1/20/85.

RECEIVED
JAN 24 1985

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

John Alexander

TITLE Agent

DATE 1/22/85

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TWO COPIES
(Other Instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Chuska Energy Co.

3. ADDRESS OF OPERATOR

P. O. Box 2118 Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State law. See also space 17 below.)

At surface 250' FSL & 460' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

4728' KB

5. LEASE DESIGNATION AND SERIAL NO.

NOG-8308-1033

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo Tribal

9. WELL NO.

14-10

10. FIELD AND POOL, OR WILDCAT

Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

10-40S-24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☒
☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Drilled 7 7/8" hole to 5820'. Ran open hole logs. Ran 5 1/2" 15.5lb casing to 5820'. Cemented with 385 cu. ft. Class "H", 10 lb Calseal, 10% salt, 0.6% Halad-9. Maintained full circulation throughout job. Job complete 2/6/85.

18. I hereby certify that the foregoing is true and correct

SIGNED

John Alexander
John Alexander
(This space for Federal or State office use)

TITLE Agent

DATE 02/07/85

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

RECEIVED

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, UT 84114

FEB 13 1985

DIVISION OF OIL
GAS & MINING*REPORT OF WATER ENCOUNTERED DURING DRILLING*Well Name & Number Navajo Tribal 14-10Operator Chuska Energy Co. Address Box 2118 Farmington, NM 87499Contractor Energy Search Drilling Address Box 190 Farmington, NM 87499Location SW 1/4 SW 1/4 Sec. 10 T. 40S R. 24E County San JuanWater Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	<u>None encountered</u>		
2.	<u></u>		
3.	<u></u>		
4.	<u></u>		
5.	<u></u>		

(Continue on reverse side if necessary)

<u>Formation Tops</u>				
De Chelly	2660'	Upper Ismay	5444'	
Organ Rock	2762'	Lower Ismay	5558'	
Hermosa	4540'	Gothic Shale	5596'	
		Desert Creek	5614'	

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. NOG 8308-1033
2. NAME OF OPERATOR CHUSKA ENERGY COMPANY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO
3. ADDRESS OF OPERATOR P. O. BOX 2118 FARMINGTON, NEW MEXICO 87499	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 250' FSL & 460' FWL	8. FARM OR LEASE NAME NAVAJO TRIBAL
14. PERMIT NO.	9. WELL NO. 14-10
15. ELEVATIONS (Show whether DF, WT, OR, etc.) 4707' K.B.	10. FIELD AND POOL, OR WILDCAT ANETH
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 10-40S-24E
	12. COUNTY OR PARISH San Juan
	13. STATE Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDONMENT

REPAIR WELL

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING ☒

ABANDONMENT

(Other)

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Perforated Desert Creek zone 5620-5628' with 2 shots/ft. Acidized interval with 1800 gal 28% HCL-NE acid. Swab test 80 b.o.p.d. Job complete 2/16/85.

RECEIVED

FEB 22 1985

DIVISION OF OIL
& MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

John Alexander
John Alexander

TITLE Operations Manager

DATE 2/20/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-013
Expires August 31, 1985

13

WELL COMPLETION OR RECOMPLETION LOG *

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>		GAS WELL <input type="checkbox"/>		DRY <input type="checkbox"/>		Other <input type="checkbox"/>	
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>		WORK OVER <input type="checkbox"/>		DEEP EN <input type="checkbox"/>		PULL BACK <input type="checkbox"/>	
2. NAME OF OPERATOR		Chuska Energy Company		DIVISION OF OIL		GAS & MINING		FEB 25 1985	
3. ADDRESS OF OPERATOR		P. O. Box 2118, Farmington, New Mexico 87499							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*		At surface 250' FSL & 460' FWL		At top prod. interval reported below 485' FSL & 490' FWL		At total depth 508' FSL & 493' FWL		SWSW	
14. PERMIT NO.		43-037-30977		DATE ISSUED		1-9-84			
15. DATE SPUN		1/18/85		16. DATE T.D. REACHED		2/4/85		17. DATE COMPL. (Ready to prod.)	
18. ELEVATIONS (TD, RKB, RT, GR, ETC.)*		4707' K.B.		19. FLEV. CASINGHEAD		4695'			
20. TOTAL DEPTH, MD & TVD		5820(MD) 5804(TVD)		21. PLUG, BACK T.D., MD & TVD		5778(MD) 5762(TVD)		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY		0-5820		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		5620(MD to 5628(MD) Desert Creek		25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN		Density-Neutron, Dual Induction		27. WAS WELL CORED		No			
28. CASING RECORD (Report all strings set in well)									
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD	
13 3/8		54.5		76		17 1/2		79 cu ft Class "B"	
8 5/8		24		1549		12 1/4		See reverse side	
5 1/2		15.50		5820'		7 7/8		See reverse side	
29. LINER RECORD									
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)	
N/A									
30. TUBING RECORD									
SIZE		DEPTH SET (MD)		PACKER SET (MD)					
2 7/8		5648		None					
31. PERFORATION RECORD (Interval, size and number)									
5620'-5628'		0.35"		2 shots/ft					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED							
5620-5628		1800 gal 28% HCL-NE acid							
33. PRODUCTION									
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		WELL STATUS (Producing or shut-in)					
2/15/85		Swabbing		Shut-in					
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.	
2/15/85		8		N/A				26.64	
FLOW, TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.	
N/A		0				80		200	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY							
To be sold		John Alexander							
35. LIST OF ATTACHMENTS									
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records									
SIGNED		TITLE		DATE					
John Alexander		Operations Manager		2/20/85					

*(See instructions and spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and content's thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Cement 8 5/8" surface casing - 930 cu ft Class "B" + 4% gel + 0.6% Halad-9 + 1/2 lb Flocele followed by 354 cu ft Class "B" + 1/4 lb Flocele + 2% CaCl ₂ Cement did not circulate to surface Cement outside 8 5/8" casing with 207 cu ft Class "B" + 3% CaCl ₂ Cement 5 1/2" production casing 385 cu. ft. Class "H" + 10 lb Calseal + 10% salt + 0.6% Halad-9 Cement top at 4100' (MD) by temperature survey.				Dechelly	2660		2660
				Organ Rock	2762		2762
				Hermosa	4540		4532
				Upper Ismay	5444		5430
				Lower Ismay	5558		5544
				Gothic Shale	5596		5582
				Desert Creek	5614		5599
				Chimney Rock	5768		5754
				Akah	5791		5775
				T.D.	5820		5804

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 1 of 3

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

LARRY G SESSIONS
 CHUSKA ENERGY COMPANY
 3315 BLOOMFIELD HWY
 FARMINGTON NM 87401

UTAH ACCOUNT NUMBER: N9290REPORT PERIOD (MONTH/YEAR): 12 / 93AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
116-1 NAVAJO TRIBAL								
✓4303715390	00545	41S 25E 31	DSCR					
NAVAJO TRIBAL 23-13								
✓4303730971	09420	40S 24E 13	DSCR					
NAVAJO TRIBAL 42-2								
✓4303731017	09425	42S 24E 2	DSCR					
NAVAJO TRIBAL 24-13								
✓4303730970	09435	40S 24E 13	DSCR					
NAVAJO TRIBAL 41-2								
✓4303731041	09437	42S 24E 2	DSCR					
NAVAJO TRIBAL #32-26								
✓4303731060	09990	40S 22E 26	DSCR					
NAVAJO TRIBAL 14-10								
✓4303730977	10130	40S 24E 10	DSCR					
SAHGZIE NO. 1								
✓4303731472	11032	42S 24E 5	DSCR					
ANASAZI #1								
✓4303731478	11042	42S 24E 5	DSCR					
CAJON MESA 8-D-1								
✓4303731497	11074	40S 25E 8	DSCR					
MONUMENT #8-N-2								
✓4303731509	11087	40S 25E 8	DSCR					
TOWER #1 1-2								
✓4303731507	11088	40S 25E 1	ISMY					
RUNWAY 10G #1								
✓4303731515	11105	40S 25E 10	DSCR					
TOTALS								

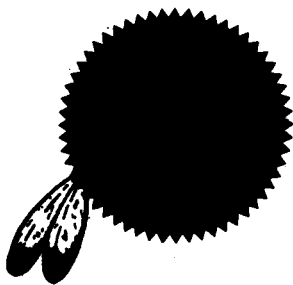
COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____



HARKEN SOUTHWEST CORPORATION

(formerly Chuska Energy Company)

We are pleased to announce that effective January 18, 1994, Chuska Energy Company, has changed its name to Harken Southwest Corporation. This is in line with the February 1993 merger with Harken Exploration Company.

Harken Southwest Corporation is still located at 3315 Bloomfield Highway, Farmington, New Mexico, 87401. You may still contact us at (505) 326-5525.

Please reflect this name change as necessary on all future correspondence.

Thank you for your assistance in this matter and we look forward to working with you as Harken Southwest Corporation.

Sincerely,

Barry A. Wieland
Operations Manager

RECEIVED

FEB 07 1994

DIVISION OF
OIL, GAS & MINING

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File _____☐ Suspense

(Return Date) _____

☒ Other

Oper. Nm. Change

(Location) Sec _____ Twp _____ Rng _____

(To - Initials) _____

(API No.) _____

1. Date of Phone Call: 2-9-94 Time: 12:292. DOGM Employee (name) J. Cordova (Initiated Call ☒)
Talked to:Name Wayne Townsend (Initiated Call ☐) - Phone No. (505) 599-8900
(or Ken Townsend)
of (Company/Organization) Btm / Farmington N.M.3. Topic of Conversation: Chuska Energy Co. to Harken Southwest Corp.

4. Highlights of Conversation: _____

They have not rec'd doc. of name change. When they do receive doc. they
will most likely keep "Chuska" as operator yet mail any correspondence
% Harken, until BIA approval. (BIA approval may take a while!)

* 940210 Re Admin. OK to change.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- REC	7-SJ
2-DTS	8-FILE
3-VLC	
4-RJE	
5-TEU	
6-PL	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-18-94)

TO (new operator) <u>HARKEN SOUTHWEST CORPORATION</u> FROM (former operator) <u>CHUSKA ENERGY COMPANY</u>
(address) <u>3315 BLOOMFIELD HWY</u> (address) <u>3315 BLOOMFIELD HWY</u>
<u>FARMINGTON NM 87401</u> <u>FARMINGTON NM 87401</u>
phone (<u>505</u>) <u>326-5525</u> phone (<u>505</u>) <u>326-5525</u>
account no. <u>N 9290</u> account no. <u>N9290</u>

Well(s) (attach additional page if needed):

Name: <u>**SEE ATTACHED**</u>	API: <u>037-30977</u>	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 2-7-94)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #096704.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (2-10-94)
- See 6. Cardex file has been updated for each well listed above. (2-10-94)
- See 7. Well file labels have been updated for each well listed above. (2-10-94)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- See 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A See 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

1. All attachments to this form have been microfilmed. Date: March 7 1994.

FILING

- See 1. Copies of all attachments to this form have been filed in each well file.
- See 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

HARKEN SOUTHWEST CORPORATION

3. Address and Telephone No.

P. O. BOX 612007, DALLAS, TX 75261-2007 214/753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC 10-40S-24E
250' FSL & 460' FWL

5. Lease Designation and Serial No.

NOG 8308-1033

6. If Indian, Allottee or Tribe Name

NAVAJO

7. If Unit or CA, Agreement Designation

8. Well Name and No.

NAVAJO TRIBAL 14-10

9. API Well No.

43-037-30977

10. Field and Pool, or Exploratory Area

11. County or Parish, State

SAN JUAN CO., UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Harken Southwest anticipates plugging and abandonment of the subject wellbore by year-end.

CC: State of Utah
Navajo Nation - Minerals Dept
BIA - Gallup, NM



14. I hereby certify that the foregoing is true and correct

Signed

Title PRODUCTION ADMINISTRATOR

Date 6/08/95

(This space for Federal or State office use)

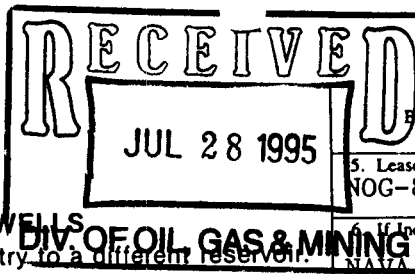
Approved by

Conditions of approval, if any:

Title

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993
5. Lease Designation and Serial No.
NOG-8308-1033

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

HARKEN SOUTHWEST CORPORATION

3. Address and Telephone No.

P. O. BOX 612007 DALLAS, TX 75261 (214) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SECTION 10-40S-24E
250' FSL & 460' FWL

6. If Indian, Allottee or Tribe Name
NAVAJO

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
NAVAJO TRIBAL 14-10

9. API Well No.
43-037-30977

10. Field and Pool, or Exploratory Area
ANETH (DESERT CREEK)

11. County or Parish, State
SAN JUAN CO., UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find proposed workover procedures on the subject well. If these procedures are unsuccessful the BLM will be contacted regarding appropriate plugs as stated in item 9.

If you have any questions, please contact Mr. Marshall Watson or the undersigned at 214/753-6900.

CC: Navajo Nation
BIA - Gallup
State of Utah

Accepted by the
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct

Signed

Title PRODUCTION ADMINISTRATOR

Date 7/27/95

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

WORKOVER PROGNOSIS
NAVAJO TRIBAL #14-10
Surface: 250' FSL & 460' FWL SEC 10 T40S R24E
Bottom Hole 508' FSL & 493' FWL
SAN JUAN COUNTY, UTAH

ALL DEPTHS ARE MEASURED UNLESS STATED OTHERWISE

Present Status: Shut in, pumping unit failure

Last Representative Test: Pumping 4.3 BO + 1.6BW +3 MCF per day (mid 93)

Initial Potential: Swb 80 BO + 0 BW + 200 MCF

Elevation: 4714 (GL) Reference Depth: 4728' (KB)

Total Depth: 5820 (KB) PBTD: 5764'

Wellhead: Tbg set in slips with/packoff.

Casing Program: 13-3/8" , 54.5 @ 16' cmt to surf
8-5/8 24# set @ 1549', cmt to surface
5-1/2" 15.5# set @ 5820', cmt w/385 cf in 7-7/8" hole to
4100' (Calc TOC)

Casing Collars: 5490.5, 5532.4, 5574.5, 5616, 5650

Reference Log: Jet West CCL/GR dated 2/13/85 (depths are 1 ft deep to
open hole logs)

Casing and Tubing Detail

Depth	Size (in)	Wt.#/ft	Grade/ Thrd	Burst (psi)	Collapse (psi)	Yield M#	Drift (in)	Capacity (bbls/ft)
surf- 5734	2-7/8	6.5	J-55 EUE	7260	7680	99	2.347	0.00579
surf- 5820	5-1/2	15.50	J-55 STC	4810	4040	202	4.825	0.0232

Perforation Record

Date	Formation	Shot Density	Depth Interval	Currently Open
2/85	Desert Creek	2 JSPF	5620-28	Yes

Packers and Downhole Equipment

Depth	Description	Min ID (in)	Comments
5566	TA		
5701	Seat Nipple	1.06	None
5734	EOT	2.347	None
	2 1/2 x 1 1/4 x 15 RWAC Pump	NA	None
	52 jt 3/4" rods, 176 jt 7/8" rods, 1 1/2" 3/4 X 2 pony	NA	None

N.T. #14-10
WORKOVER/ COMPLETION PROCEDURE

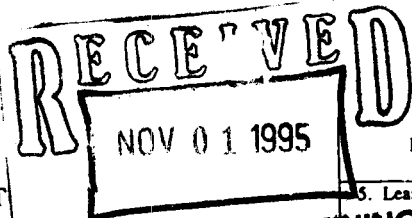
Objective: Perforate and swab test Lower Ismay Zone (5576'-5582'), then P&F if unproductive.

1. Hold safety meeting and review procedures w/ rig crew.
2. MIRU completion rig.
3. Unseat pump and hot oil down tubing with 45 bbl fresh water +5 gallon paraffin inhibitor. POH with following pump and 76 API rod string laying down:

4400' - 176 - 7/8 X 25 'D' Rods
1300' - 52 - 3/4 X 25 'D' Rods
1 - 2 1/2 X 1 1/4 X 15 RWAC
1 - 3/4 X 2 pony rod
4. Unseat TAC, NDWHD, and NUBOP and pressure test to 400 psig using hot oiler.
5. POH standing back with +/-179 joints 2 7/8 tbg, TAC, 5 joints 2 7/8, SN, and 2 7/8 perforated tail joint.
6. RU perforators. Using 4" casing gun, perforate following interval: 5576'-5582', (total 6'), at 2 SPF 180 degree phasing, and 13 perforations. Depths to be correlated from the *CCL/GR* log date February 13, 1985.
7. PU Stradle packer with 12' spacing & GIH & set at 5573 and set. Pressure test Back side to 500 psi. Swab test and Report results to Dallas.
8. (Optional) RU Howco & Acidize with 600 gal heated 15% HCL at 1 BPM.
9. Swab well for test. After clean-up, produce through separator to determine gas rate. Timings for flow periods will be advised by Dallas office. Continue with following step. If non-productive, P&A well as per BLM specs.
10. If well is productive, POH and RIH with:
1 - 2 7/8 X 4 perf sub
1 - 2 7/8 tail jt
1 - 2 7/8 SW
2 - 2 7/8 jt
1 - 2 7/8 X 5 1/2 Hog Anch
178 - 2 7/8 jts

11. Pump 15 bbl fresh water down back side.
 12. Set TAC 13,500 # in tension, ND BOP and NU WHD.
 13. Complete well for final pump installation. RIH with following pump and rod string:
 - 1 - 2 1/2 X 1 1/4 X 15 RWAC
 - 1 - 3/4 X 2 pony rod
 - 1300' - 52 - 3/4 X 25 'D' rods
 - 4275' - 171 - 7/8 X 25 'D' rods
 14. Space out pump, hang-off and unit, and load tubing with 34 bbl lease oil. Pressure test tubing to 400 psi and turn over to production department.
- ** Account for all liquid pumped into and/or removed from well.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS OF OIL, GAS & MINING

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Harken Southwest Corporation

3. Address and Telephone No.

P.O. Box 612007, Dallas, Texas 75261-2007 (214) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

250' FSL & 460' FWL
Sec. 10-40S-24E

5. Lease Designation and Serial No. 8308-1033

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Navajo Tribal 14-10

9. API Well No.

43-037-30977

10. Field and Pool, or Exploratory Area

Aneth

11. County or Parish, State

San Juan, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The following work was performed between 08/02/95 and 08/11/95 in accordance w/procedures filed in July, 1995. Perforated Lower Ismay 5576-82' (6'), 4" gun, 2 JSPF, 180° phasing. Acidized w/600 gal 15% HCL + additives. Inj rate of 2.5 BPM, 1900-2065 psi w/250 gal; inj rate 3 BPM, 2300-2400 psi w/350 gal. Swab well back & rec load. Swabbed Desert Creek (5620-28') and Lower Ismay (5576-82') together. Run pump and production string. Shut well in. Test production rate 3 days (8/29 through 8/31) Shut well in for additional build-up. Tried to return to production, had to rebuild pumping unit. Well returned to production @ 2:00 p.m. on October 24, 1995. Production rate (23 hrs) 20.9 BO, .75 BW, 0 MCF.

CC: State of Utah ✓
Navajo Nation - Minerals Dept.
BIA - Gallup, NM

14. I hereby certify that the foregoing is true and correct

Signed

Title Production Administrator

Date 10-30-95

(This space for Federal or State office use)

Approved by

Title

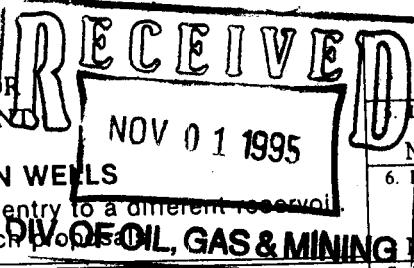
Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

Lease Designation and Serial No.
NOG 8308-1033

6. Indian, Allottee or Tribe Name

Navajo
7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Harken Southwest Corporation

3. Address and Telephone No.

P.O. Box 612007, Dallas, Texas 75261-2007 (214) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

250' FSL & 460' FWL
Sec. 10-40S-24E

N/A

8. Well Name and No.

Navajo Tribal 14-10

9. API Well No.

43-037-30977

10. Field and Pool, or Exploratory Area

Aneth

11. County or Parish, State

San Juan, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The following work was performed between 08/02/95 and 08/11/95 in accordance w/procedures filed in July, 1995. Perforated Lower Ismay 5576-82' (6'), 4" gun, 2 JSPF, 180° phasing. Acidized w/600 gal 15% HCL + additives. Inj rate of 2.5 BPM, 1900-2065 psi w/250 gal; inj rate 3 BPM, 2300-2400 psi w/350 gal. Swab well back & rec load. Swabbed Desert Creek (5620-28') and Lower Ismay (5576-82') together. Run pump and production string. Shut well in. Test production rate 3 days (8/29 through 8/31) Shut well in for additional build-up. Tried to return to production, had to rebuild pumping unit. Well returned to production @ 2:00 p.m. on October 24, 1995. Production rate (23 hrs) 20.9 BO, .75 BW, 0 MCF.

CC: State of Utah
Navajo Nation - Minerals Dept.
BIA - Gallup, NM

14. I hereby certify that the foregoing is true and correct

Signed

Title Production Administrator

Date 10-30-95

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date Jan Credit
10/30/95

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS

HARKEN Susan Herrera
 RIM SOUTHWEST CORPORATION
 C/O HOLCOMB OIL AND GAS, INC.
 PO BOX 2058
 FARMINGTON, NM 87499-2058

UTAH ACCOUNT NUMBER: N9290
 REPORT PERIOD (MONTH/YEAR): 02/2001
 AMENDED REPORT ☐ (Highlight Changes)

WELL NAME			Producing Zone	Well Status	Well Type	Days Oper	Production Volumes		
API Number	Entity	Location					OIL (BBL)	GAS (MCF)	WATER (BBL)
NAVAJO TRIBAL 23-13			DSCR	P	OW	28	1,071	551	2,296
4303730971	09420	40S 24E 13							
NAVAJO TRIBAL 41-2			DSCR	P	OW	19	174	23	0
4303731041	09437	42S 24E 02							
NAVAJO TRIBAL 32-26			DSCR	P	OW	8	104	291	0
4303731060	09990	40S 22E 26							
NAVAJO TRIBAL 14-10			DSCR	P	OW	28	93	0	0
4303730977	10130	40S 24E 05							
SAHGZIE 1			DSCR	P	OW	28	1,025	476	0
4303731472	11032	42S 24E 05							
ANASAZI 1			DSCR	P	OW	28	1,308	1,349	0
4303731478	11042	42S 24E 05							
CAJON MESA 8D-1			DSCR	P	OW	27	245	355	61
4303731497	11074	40S 25E 08							
MONUMENT 8N-2			DSCR	P	OW	28	239	496	0
4303731509	11087	40S 25E 08							
RUNWAY 10G-1			DSCR	S	OW	28	1,412	1,613	432
4303731515	11105	40S 25E 10							
RUNWAY 10E-2			DSCR	S	GW	27	279	917	0
4303731550	11128	40S 25E 10							
MONUMENT 17E-2			DSCR	S	OW	26	157	548	0
4303731547	11139	40S 25E 17							
LONE MOUNTAIN CREEK 12F-1			DSCR	P	OW	22	149	533	12
4303731545	11148	42S 24E 12							
RUNWAY 10C-5A			DSCR	P	OW	24	221	899	40
4303731597	11152	40S 25E 10							
TOTALS							6477	8051	2841

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: April 13, 2001

Signature

Susan M. Herrera
 Susan M. Herrera

RECEIVED

Telephone Number

(505) 326-0550

APR 17 2001

DIVISION OF
 OIL, GAS AND MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS

Susan Herrera
 RIM SOUTHWEST CORPORATION
 C/O HOLCOMB OIL AND GAS, INC.
 PO BOX 2058
 FARMINGTON, NM 87499-2058

UTAH ACCOUNT NUMBER:

N9290

REPORT PERIOD (MONTH/YEAR):

02/2001

AMENDED REPORT ☐

(Highlight Changes)

WELL NAME			Producing Zone	Well Status	Well Type	Days Oper	Production Volumes		
API Number	Entity	Location					OIL (BBL)	GAS (MCF)	WATER (BBL)
✓ BLUE HOGAN 1J-1									
4303731562	11161	42S 23E 01	DSCR	P	OW	27	800	778	36
✓ ANASAZI 5L-3									
4303731572	11207	42S 24E 05	DSCR	P	OW	28	1,187	1,284	0
✓ BROWN HOGAN 1A-2									
4303731573	11215	42S 23E 01	DSCR	P	OW	28	297	504	0
✓ STERLING 36L-1									
4303731595	11224	41S 23E 36	DSCR	S	OW	0	0	0	0
✓ MULE 31K (N)									
4303731617	11326	41S 24E 31	DSCR	P	OW	28	308	348	73
✓ NORTH HERON 35C									
4303731616	11479	41S 25E 35	DSCR	S	OW	0	0	0	0
✓ BURRO 31I									
4303731708	11496	41S 24E 31	DSCR	P	OW	28	489	0	0
✓ JACK 31G									
4303731709	11497	41S 24E 31	DSCR	S	OW	0	0	0	0
✓ MULE 31M									
4303731710	11498	41S 24E 31	DSCR	P	OW	28	1,074	333	120
✓ BIG SKY 6E (6L) 1									
4303731714	11722	42S 25E 06	DSCR	P	OW	26	262	551	0
✓ CLAY HILL CANYON 32D									
4303731741	11734	41S 25E 32	DSCR	TA	NA	0	0	0	0
✓ ANASAZI 6H-1									
4303731744	11773	42S 24E 06	DSCR	P	OW	28	205	303	0
TOTALS							4622	4101	229

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: April 13, 2001

Signature

Susan M. Herrera
 Susan M. Herrera

RECEIVED

Telephone Number (505) 326-0550

APR 13 2001

DIVISION OF
OIL, GAS AND MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <u>SEE ATTACHED</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: SEE ATTACHED
2. NAME OF OPERATOR: RIM Southwest Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo
3. ADDRESS OF OPERATOR: P.O. Box 145 CITY Farmington STATE NM ZIP 87499		7. UNIT or CA AGREEMENT NAME: SEE ATTACHED
PHONE NUMBER: (505) 327-5531		8. WELL NAME and NUMBER: SEE ATTACHED
4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE ATTACHED		9. API NUMBER: SEE ATTACH
COUNTY: San Juan		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SEE ATTACHED		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Corporate Name Change
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Corporate Name Change from Harken Southwest Corporation to RIM Southwest Corporation, effective December 1, 2000 for reporting requirements.

RECEIVED

DIVISION OF
OIL, GAS AND MINING

NAME (PLEASE PRINT) <u>W. J. Holcomb</u>	TITLE <u>Vice-President</u>
SIGNATURE <u>[Signature]</u>	DATE <u>4/23/2001</u>

(This space for State use only)

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

12/1/2000**FROM:** (Old Operator):

N9290-Harken Southwest Corporation
5 Inverness Drive, East
Denver, CO 80112

Phone: (303) 799-9828

TO: (New Operator):

N1715-Rim Southwest Corporation
PO Box 145
Farmington, NM 87499

Phone: (505) 327-5531

CA No.

Unit:

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NAVAJO TRIBAL 32-26	26	400S	220E	4303731060	9990	Indian	OW	S
NAVAJO TRIBAL 14-10	10	400S	240E	4303730977	10130	Indian	OW	P
NAVAJO TRIBAL 23-13	13	400S	240E	4303730971	9420	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	P
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	P
STERLING 36L-1	36	410S	230E	4303731595	11224	Indian	OW	S
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
JACK 31G	31	410S	240E	4303731709	11497	Indian	OW	S
CLAY HILL CANYON 32D	32	410S	250E	4303731741	11734	Indian	OW	TA
NORTH HERON 35C	35	410S	250E	4303731616	11479	Indian	OW	S
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
NAVAJO TRIBAL 41-2	02	420S	240E	4303731041	9437	Indian	OW	P
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
BIG SKY 6E (6L) 1	06	420S	250E	4303731714	11722	Indian	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/27/20012. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/27/20013. The new company was checked on the **Department of Commerce, Division of Corporations** Database on:

6/30/2003

4. Is the new operator registered in the State of Utah: YES Business Number: 794466-0143
5. If NO, the operator was contacted contacted on: _____
6. (R649-9-2)Waste Management Plan has been received on: 8/13/2003

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: not given

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 8/26/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 8/26/2003
3. Bond information entered in RBDMS on: n/a
4. Fee wells attached to bond in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB0001937

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number n/a
2. The FORMER operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

Because this was a merger, all LA and PA wells belong to Rim Southwest also. However, they are still on our computer as Harken Southwest because no list was provided to move them.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

Navajo Nation

7. If Unit or CA, Agreement Designation

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

**San Juan County
Utah**

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

RIM SOUTHWEST CORPORATION

3. Address and Telephone No.

P. O. Box 145, Farmington, NM 87499 (505)327-5531

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Vent/Flare Gas
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please be advised that RIM Southwest Corporation is requesting approval to vent gas until September 14, 2001. After September 14, we request permission to flare the gas until the Aneth Plant is back on line.

Attachment

cc: State of Utah

Navajo Nation-Minerals

Navajo Nation EPA - Air Quality

BIA - Gallup, NM

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 9/17/01

By: [Signature]

Exp. Oct-15, 2001

Federal Approval Of This
Action Is Necessary

COPY SENT TO OPERATOR

Date: 9-17-01
Initials: CHD

RECEIVED

SEP 18 2001

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct

Signed [Signature]

Title W. J. Holcomb, Vice President Date 8/29/01

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____ Date _____

RIM SOUTHWEST CORPORATION

LEASE NUMBER	WELL NAME	SEC-TWN-RNG	ESTIMATED GAS
			VENTED MCF/DAY
1420603373	Big Sky 6E (6L)	06-42S-25E	19
NOC 14205297			
(NMNM 5756)	Monument 8N-2	08-40S-25E	18
(NMNM 5757)	Cajon Mesa 8D-1	08-40S-25E	0
NOG 8308-1033	Navajo Tribal 23-13	13-40S-24E	23
	Navajo Tribal 14-10	10-40S-24E	1
	Navajo Tribal 41-2	02-42S-24E	8
	Navajo Tribal 32-26	26-40S-22E	8
NOG 8707-1162	Sahgzie #1	05-42S-24E	16
	Anasazi #1	05-42S-24E	67
NOG 8707-1170	Runway 10G-1	10-40S-25E	SI
	Runway 10C-5A	10-40S-25E	SI
NOG 8707-1190	Runway 10E-2	10-40S-25E	17
NOG 8707-1191	Monument 17E-2	17-40S-25e	0
NOG 8707-1206	Blue Hogan 1J-1	01-42S-23E	27
	Brown Hogan 1A-2	01-42S-23E	18
NOG 8707-12321	Burro 31-1	31-41S-24E	1
	Jack 31G	31-41S-24E	SI
	Mule 31K (N)	31-41S-24E	7
	Mule 31M	31-41S-24E	24
		TOTAL AVERAGE	254

- 43-037-31714

- 43-037-31509

- 43-037-31497

- 43-037-30971

- 43-037-30777

- 43-037-31041

- 43-037-31000

- 43-037-31472

- 43-037-31478

- 43-037-31515

- 43-037-31597

- 43-037-31550

- 43-037-31547

- 43-037-31562

- 43-037-31573

- 43-037-31708

- 43-037-31709

- 43-037-31617

- 43-037-31710



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC80013
CUST. NO. 33500- 10095

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	MULE 31M	PRESSURE	25 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	76 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	6/30/98
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E412018	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.332	0.0000	0.00	0.0129
CO2	0.112	0.0000	0.00	0.0017
METHANE	57.114	0.0000	578.17	0.3164
ETHANE	19.739	5.2802	350.11	0.2049
PROPANE	11.863	3.2694	299.17	0.1806
I-BUTANE	1.498	0.4900	48.83	0.0301
N-BUTANE	4.080	1.2864	133.41	0.0819
I-PENTANE	1.011	0.3699	40.54	0.0252
N-PENTANE	1.215	0.4401	48.82	0.0303
HEXANE PLUS	2.036	0.8883	104.67	0.0655
TOTAL	100.000	12.0243	1,603.72	0.9494

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0067
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,614.5
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,586.4
REAL SPECIFIC GRAVITY		0.9559

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,605.7
DRY BTU @ 14.696	1,610.7
DRY BTU @ 14.730	1,614.5
DRY BTU @ 15.025	1,646.8

CYLINDER #	SJ99
CYLINDER PRESSURE	10 PSIG
DATE RUN	7/1/98
ANALYSIS RUN BY	DAVE MARTIN



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC80012
CUST. NO. 33500- 10015

WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.
WELL NAME MULE 31K
COUNTY/STATE SAN JUAN UT
LOCATION ANETH
FIELD
FORMATION DESERT CREEK
CUST.STN.NO. 202E340052

SOURCE N/A
PRESSURE 24 PSIG
SAMPLE TEMP 84 DEG.F
WELL FLOWING Y
DATE SAMPLED 6/30/98
SAMPLED BY FGM
FOREMAN/ENGR. STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.925	0.0000	0.00	0.0186
CO2	0.133	0.0000	0.00	0.0020
METHANE	63.617	0.0000	643.99	0.3524
ETHANE	16.771	4.4862	297.47	0.1741
PROPANE	9.543	2.6301	240.66	0.1453
I-BUTANE	1.205	0.3942	39.28	0.0242
N-BUTANE	3.315	1.0452	108.39	0.0665
I-PENTANE	0.794	0.2905	31.84	0.0198
N-PENTANE	0.944	0.3419	37.93	0.0235
HEXANE PLUS	1.753	0.7648	90.12	0.0564
TOTAL	100.000	9.9529	1,489.68	0.8829

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0056
BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,498.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,472.0
REAL SPECIFIC GRAVITY 0.8877

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,489.9
DRY BTU @ 14.696 1,494.6
DRY BTU @ 14.730 1,498.0
DRY BTU @ 15.025 1,528.0

CYLINDER # 048A
CYLINDER PRESSURE 24 PSIG
DATE RUN 7/1/98
ANALYSIS RUN BY CHELLE DURBIN



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC80009
CUST. NO. 33500- 10080

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	JACK 31G	PRESSURE	28 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	76 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	6/30/98
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E410005	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.975	0.0000	0.00	0.0191
CO2	0.062	0.0000	0.00	0.0009
METHANE	70.488	0.0000	713.55	0.3904
ETHANE	13.388	3.5813	237.46	0.1390
PROPANE	7.057	1.9449	177.97	0.1075
I-BUTANE	1.012	0.3310	32.99	0.0203
N-BUTANE	2.613	0.8239	85.44	0.0524
I-PENTANE	0.750	0.2744	30.08	0.0187
N-PENTANE	0.920	0.3332	36.97	0.0229
HEXANE PLUS	1.735	0.7570	89.20	0.0558
TOTAL	100.000	8.0458	1,403.66	0.8271

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0049
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,410.5
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,386.0
REAL SPECIFIC GRAVITY		0.8311

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,402.9
DRY BTU @ 14.696	1,407.3
DRY BTU @ 14.730	1,410.5
DRY BTU @ 15.025	1,438.8

CYLINDER #	004
CYLINDER PRESSURE	12 PSIG
DATE RUN	7/1/98
ANALYSIS RUN BY	DAVE MARTIN



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00018
CUST. NO. 33500- 10035

WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.
WELL NAME BIG SKY 6E
COUNTY/ STATE SAN JUAN UT
LOCATION ANETH
FIELD
FORMATION
CUST.STN.NO. 202E430640

SOURCE N/A
PRESSURE 17 PSIG
SAMPLE TEMP 21 DEG.F
WELL FLOWING Y
DATE SAMPLED 12/23/00
SAMPLED BY FGM
FOREMAN/ENGR. STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.658	0.0000	0.00	0.0160
CO2	0.037	0.0000	0.00	0.0006
METHANE	66.226	0.0000	670.41	0.3668
ETHANE	17.222	4.6069	305.47	0.1788
PROPANE	9.526	2.6254	240.24	0.1450
I-BUTANE	1.012	0.3310	32.99	0.0203
N-BUTANE	2.724	0.8589	89.07	0.0547
I-PENTANE	0.496	0.1815	19.89	0.0124
N-PENTANE	0.553	0.2003	22.22	0.0138
HEXANE PLUS	0.546	0.2382	28.07	0.0176
TOTAL	100.000	9.0422	1,408.36	0.8260

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0048
BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,415.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,390.8
REAL SPECIFIC GRAVITY 0.8302

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,407.7
DRY BTU @ 14.696 1,412.2
DRY BTU @ 14.730 1,415.4
DRY BTU @ 15.025 1,443.8

CYLINDER # 007
CYLINDER PRESSURE 17 PSIG
DATE RUN 12/28/00
ANALYSIS RUN BY GINA HANON

CQM, INC. ON-SITE GAS ANALYSIS

UNIT 2

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410

505-333-2003

Source: ELKHORN FIELD SERVICES Report Date: 06/19/2001 13:48:14
 Station #: 78-153 Sample Date: 06/13/2001
 Station Name: BLUE/BROWN HOGAN Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S_1.MET
 File: c:\mti\ezchrom\200\chrom\78_15306.2

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	3.577	0.000	0.035	
Methane	55.640	563.264	0.308	
CO2	0.033	0.000	0.001	
Ethane	17.739	314.636	0.184	4.744
H2S (APPROX)	0.000	0.000	0.000	
Propane	11.983	302.202	0.182	3.302
i-Butane	1.627	53.031	0.033	0.532
n-Butane	4.370	142.892	0.088	1.378
i-Pentane	1.194	47.881	0.030	0.437
n-Pentane	1.465	58.866	0.036	0.531
Hexanes	1.955	93.193	0.058	0.804
Heptanes	0.373	20.572	0.013	0.172
Octanes	0.044	2.756	0.002	0.023
Nonanes	0.000	0.000	0.000	

Ideal Total 100.000 1599.293 0.969 11.922
 Unnormalized Total 111.244

Gross BTU/Real Cu. Ft.
 (@ 60 deg F, 14.730)

Dry = 1610.156

Sat. = 1583.743

Actual = 1610.156

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 3.302

Butane GPM = 1.910

Gasoline GPM = 1.966

26# Gasoline GPM = 3.344

Total GPM = 11.922

Real Relative Density Calculated = 0.9755

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9933



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00010
CUST. NO. 33500- 10090

WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.
WELL NAME MONUMENT 17-E-2
COUNTY/ STATE SAN JUAN UT
LOCATION ANETH
FIELD
FORMATION
CUST.STN.NO. 202E311659

SOURCE N/A
PRESSURE 20 PSIG
SAMPLE TEMP 47 DEG.F
WELL FLOWING Y
DATE SAMPLED 12/21/00
SAMPLED BY FGM
FOREMAN/ENGR. STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.958	0.0000	0.00	0.0093
CO2	0.071	0.0000	0.00	0.0011
METHANE	67.968	0.0000	688.04	0.3765
ETHANE	14.933	3.9946	264.87	0.1550
PROPANE	8.159	2.2486	205.76	0.1242
I-BUTANE	0.965	0.3157	31.45	0.0194
N-BUTANE	2.976	0.9383	97.31	0.0597
I-PENTANE	0.754	0.2759	30.24	0.0188
N-PENTANE	1.118	0.4049	44.92	0.0279
HEXANE PLUS	2.098	0.9154	107.86	0.0675
TOTAL	100.000	9.0934	1,470.45	0.8593

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0054
BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,479.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,453.8
REAL SPECIFIC GRAVITY 0.8647

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,471.5
DRY BTU @ 14.696 1,476.1
DRY BTU @ 14.730 1,479.5
DRY BTU @ 15.025 1,509.2

CYLINDER # 005
CYLINDER PRESSURE 22 PSIG
DATE RUN 12/22/00
ANALYSIS RUN BY AMY JUSTICE



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00014
CUST. NO. 33500- 10120

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	RUNAWAY 10E2	PRESSURE	21 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	60 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E311617	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.534	0.0000	0.00	0.0052
CO2	0.053	0.0000	0.00	0.0008
METHANE	50.326	0.0000	509.45	0.2788
ETHANE	23.092	6.1771	409.58	0.2397
PROPANE	14.269	3.9325	359.85	0.2173
I-BUTANE	1.588	0.5194	51.76	0.0319
N-BUTANE	4.428	1.3961	144.79	0.0889
I-PENTANE	0.988	0.3615	39.62	0.0246
N-PENTANE	1.348	0.4882	54.17	0.0336
HEXANE PLUS	3.374	1.4721	173.46	0.1086
TOTAL	100.000	14.3471	1,742.68	1.0292

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0082
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,758.8
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,728.2
REAL SPECIFIC GRAVITY		1.0390

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,749.3
DRY BTU @ 14.696	1,754.8
DRY BTU @ 14.730	1,758.8
DRY BTU @ 15.025	1,794.1

CYLINDER #	AZT035
CYLINDER PRESSURE	26 PSIG
DATE RUN	12/22/00
ANALYSIS RUN BY	AMY JUSTICE



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00013
CUST. NO. 33500- 10115

WELL/LEASE INFORMATION

CUSTOMER NAME	HARKEN SOUTHWEST CORP.	SOURCE	N/A
WELL NAME	RUNAWAY 10C 5-A	PRESSURE	9 PSIG
COUNTY/ STATE	SAN JUAN UT	SAMPLE TEMP	69 DEG.F
LOCATION	ANETH	WELL FLOWING	Y
FIELD		DATE SAMPLED	12/21/00
FORMATION		SAMPLED BY	FGM
CUST.STN.NO.	202E308719	FOREMAN/ENGR.	STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.794	0.0000	0.00	0.0077
CO2	0.109	0.0000	0.00	0.0017
METHANE	56.637	0.0000	573.34	0.3137
ETHANE	18.737	5.0121	332.34	0.1945
PROPANE	11.185	3.0826	282.07	0.1703
I-BUTANE	1.296	0.4239	42.24	0.0260
N-BUTANE	3.814	1.2026	124.71	0.0765
I-PENTANE	1.035	0.3787	41.51	0.0258
N-PENTANE	1.558	0.5643	62.60	0.0388
HEXANE PLUS	4.835	2.1095	248.57	0.1556
TOTAL	100.000	12.7737	1,707.38	1.0106

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0080
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,723.7
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,693.7
REAL SPECIFIC GRAVITY		1.0203

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,714.3
DRY BTU @ 14.696	1,719.7
DRY BTU @ 14.730	1,723.7
DRY BTU @ 15.025	1,758.2

CYLINDER #	A002
CYLINDER PRESSURE	14 PSIG
DATE RUN	12/22/00
ANALYSIS RUN BY	AMY JUSTICE

COM, INC.

1427 W.AZTEC, BLVD. #3 AZTEC, NM 87410
505-333-2003

Source: ELKHORN FIELD SERVICE Report Date: 06/19/2001 12:58:11
 Station #: 78-138 Sample Date: 06/13/2001
 Station Name: RUNWAY 10-G-1 Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\sour2.met
 File: c:\mti\ezchrom\200\chrom\78_13806.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.082	0.000	0.010	
Methane	59.728	604.648	0.331	
CO2	0.074	0.000	0.001	
Ethane	18.511	328.328	0.192	4.951
H2S (approx)	0.000	0.000	0.000	
Propane	12.402	312.769	0.189	3.417
i-Butane	1.191	38.820	0.024	0.390
n-Butane	3.539	115.720	0.071	1.116
i-Pentane	0.926	37.134	0.023	0.335
n-Pentane	1.239	49.785	0.031	0.453
Hexanes	0.834	39.756	0.025	0.343
Heptanes	0.424	23.385	0.015	0.196
Octanes	0.050	3.132	0.002	0.026

Ideal Total 100.000 1553.477 0.914 11.227
 Unnormalized Total 92.627

Gross BTU/Real Cu. Ft.
 (@ 60 deg F, 14.730)

Dry = 1563.024

Sat. = 1537.392

Actual = 1563.024

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 3.417

Butane GPM = 1.505

Gasoline GPM = 1.353

26# Gasoline CPM = 2.469

Total GPM = 11.227

Real Relative Density Calculated = 0.9190

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9939

CQM, INC. ON-SITE GAS ANALYSIS

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410

505-333-2003

Source: ELKHORN FIELD SERVICES Report Date: 06/19/2001 13:53:04
 Station #: 78-148 Sample Date: 06/13/2001
 Station Name: SAGEEZIE/ANASAZI Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S_1.MET
 File: c:\mti\ezchrom\200\chrom\78_14806.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	0.664	0.000	0.006	
Methane	44.440	449.882	0.246	
CO2	0.068	0.000	0.001	
Ethane	23.771	421.625	0.247	6.358
H2S (APPROX)	0.000	0.000	0.000	
Propane	17.469	440.554	0.266	4.814
i-Butane	2.367	77.151	0.048	0.774
n-Butane	5.635	184.256	0.113	1.777
i-Pentane	1.485	59.551	0.037	0.543
n-Pentane	1.729	69.474	0.043	0.626
Hexanes	1.947	92.812	0.058	0.801
Heptanes	0.378	20.848	0.013	0.174
Octanes	0.047	2.944	0.002	0.024
Nonanes	0.000	0.000	0.000	

Ideal Total	100.000	1819.096	1.080	15.891
Unnormalized Total	113.650			

Gross BTU/Real Cu. Ft.
 (@ 60 deg F, 14.730)

Dry = 1835.446

Sat. = 1805.263

Actual = 1835.446

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 4.814

Butane GPM = 2.551

Gasoline GPM = 2.169

26# Gasoline GPM = 3.945

Total GPM = 15.891

Real Relative Density Calculated = 1.0892

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9911



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00012
CUST. NO. 33500- 10105

WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.
WELL NAME NAVAJO TRIBAL 32-26
COUNTY/ STATE SAN JUAN UT
LOCATION ANETH
FIELD
FORMATION
CUST.STN.NO. 202A-52531

SOURCE N/A
PRESSURE 17 PSIG
SAMPLE TEMP 30 DEG.F
WELL FLOWING Y
DATE SAMPLED 12/21/00
SAMPLED BY FGM
FOREMAN/ENGR. STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.934	0.0000	0.00	0.0090
CO2	0.050	0.0000	0.00	0.0008
METHANE	71.878	0.0000	727.62	0.3981
ETHANE	15.057	4.0277	267.07	0.1563
PROPANE	6.531	1.7999	164.71	0.0994
I-BUTANE	0.770	0.2519	25.10	0.0155
N-BUTANE	1.958	0.6174	64.02	0.0393
I-PENTANE	0.510	0.1866	20.45	0.0127
N-PENTANE	0.663	0.2401	26.64	0.0165
HEXANE PLUS	1.649	0.7195	84.78	0.0531
TOTAL	100.000	7.8431	1,380.39	0.8007

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0046
BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,387.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,363.5
REAL SPECIFIC GRAVITY 0.8049

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,380.1
DRY BTU @ 14.696 1,384.4
DRY BTU @ 14.730 1,387.6
DRY BTU @ 15.025 1,415.4

CYLINDER # KFL148
CYLINDER PRESSURE 23 PSIG
DATE RUN 12/22/00
ANALYSIS RUN BY AMY JUSTICE

CQM, INC. ON-SITE GAS ANALYSIS

UNIT 2

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410

505-333-2003

Source: ELKHORN FIELD SERVICES
 Station #: 78-145
 Station Name: NT41-2
 Field: RIM SOUTHWEST

Report Date: 06/19/2001 13:59:32
 Sample Date: 06/13/2001
 Flowing Pressure: 0 psig
 Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S 1.MET
 File: c:\mti\ezchrom\200\chrom\78_14506.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.152	0.000	0.011	
Methane	56.788	574.886	0.315	
CO2	0.085	0.000	0.001	
Ethane	19.719	349.755	0.205	5.274
H2S (APPROX)	0.000	0.000	0.000	
Propane	12.656	319.174	0.193	3.487
i-Butane	1.519	49.511	0.030	0.497
n-Butane	4.167	136.255	0.084	1.314
i-Pentane	1.029	41.265	0.026	0.377
n-Pentane	1.297	52.116	0.032	0.470
Hexanes	1.366	65.116	0.041	0.562
Heptanes	0.196	10.810	0.007	0.090
Octanes	0.026	1.628	0.001	0.013
Nonanes	0.000	0.000	0.000	

Ideal Total 100.000 1600.514 0.945 12.084
 Unnormalized Total 110.907

Gross BTU/Real Cu. Ft.
 (@ 60 deg F, 14.730)
 Dry = 1611.115
 Sat. = 1584.601
 Actual = 1611.115
 (0.000 lbs. water/MMCF)

Gasoline Content
 Propane GPM = 3.487
 Butane GPM = 1.811
 Gasoline GPM = 1.512
 26# Gasoline GPM = 2.826
 Total GPM = 12.084

Real Relative Density Calculated = 0.9508
 On-Site Relative Density = 0.0000

Gas Compressibility = 0.9934

CQM, INC. ON-SITE GAS ANALYSIS

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410

505-333-2003

Source: ELKHORN FIELD SERVICE Report Date: 06/19/2001 14:32:41
 Station #: 78-146 Sample Date: 06/14/2001
 Station Name: NT #23-13 Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methode\H2S 1.MET

File: c:\mti\ezchrom\200\chrom\78_14606.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.159	0.000	0.011	
Methane	56.655	573.539	0.314	
CO2	0.136	0.000	0.002	
Ethane	19.548	346.722	0.203	5.228
H2S (APPROX)	0.000	0.000	0.000	
Propane	12.674	319.628	0.193	3.492
i-Butane	1.537	50.097	0.031	0.503
n-Butane	4.064	132.887	0.082	1.281
i-Pentane	0.965	38.698	0.024	0.353
n-Pentane	1.172	47.093	0.029	0.424
Hexanes	1.532	73.029	0.046	0.630
Heptanes	0.424	23.385	0.015	0.196
Octanes	0.134	8.393	0.005	0.069
Nonanes	0.000	0.000	0.000	

Ideal Total	100.000	1613.471	0.954	12.177
Unnormalized Total	107.575			

Gross BTU/Real Cu. Ft.
 (@ 60 deg F, 14.730)

Dry = 1624.438

Sat. = 1597.782

Actual = 1624.438

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 3.492

Butane GPM = 1.784

Gasoline GPM = 1.672

26# Gasoline GPM = 2.953

Total GPM = 12.177

Real Relative Density Calculated = 0.9603

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9932



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00009
CUST. NO. 33500- 10085

WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.
WELL NAME MONUMENT 8N2
COUNTY/ STATE SAN JUAN UT
LOCATION ANETH
FIELD
FORMATION
CUST.STN.NO. 202E311589

SOURCE N/A
PRESSURE 12 PSIG
SAMPLE TEMP 55 DEG.F
WELL FLOWING Y
DATE SAMPLED 12/21/00
SAMPLED BY FGM
FOREMAN/ENGR. STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.139	0.0000	0.00	0.0110
CO2	0.064	0.0000	0.00	0.0010
METHANE	60.307	0.0000	610.49	0.3341
ETHANE	15.875	4.2466	281.57	0.1648
PROPANE	11.057	3.0473	278.85	0.1684
I-BUTANE	1.628	0.5325	53.06	0.0327
N-BUTANE	5.194	1.6377	169.83	0.1042
I-PENTANE	1.202	0.4398	48.20	0.0299
N-PENTANE	1.620	0.5868	65.09	0.0404
HEXANE PLUS	1.914	0.8351	98.40	0.0616
TOTAL	100.000	11.3257	1,605.49	0.9480

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0067
BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,617.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,589.2
REAL SPECIFIC GRAVITY 0.9551

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,608.5
DRY BTU @ 14.696 1,613.6
DRY BTU @ 14.730 1,617.3
DRY BTU @ 15.025 1,649.7

CYLINDER # 050
CYLINDER PRESSURE 15 PSIG
DATE RUN 12/22/00
ANALYSIS RUN BY AMY JUSTICE



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00010
CUST. NO. 33500- 10090

WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.
WELL NAME MONUMENT 17-E-2
COUNTY/STATE SAN JUAN UT
LOCATION ANETH
FIELD
FORMATION
CUST.STN.NO. 202E311659

SOURCE N/A
PRESSURE 20 PSIG
SAMPLE TEMP 47 DEG.F
WELL FLOWING Y
DATE SAMPLED 12/21/00
SAMPLED BY FGM
FOREMAN/ENGR. STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.958	0.0000	0.00	0.0093
CO2	0.071	0.0000	0.00	0.0011
METHANE	67.968	0.0000	688.04	0.3765
ETHANE	14.933	3.9946	264.87	0.1550
PROPANE	8.159	2.2486	205.76	0.1242
I-BUTANE	0.965	0.3157	31.45	0.0194
N-BUTANE	2.976	0.9383	97.31	0.0597
I-PENTANE	0.754	0.2759	30.24	0.0188
N-PENTANE	1.118	0.4049	44.92	0.0279
HEXANE PLUS	2.098	0.9154	107.86	0.0675
TOTAL	100.000	9.0934	1,470.45	0.8593

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0054
BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,479.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,453.8
REAL SPECIFIC GRAVITY 0.8647

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,471.5
DRY BTU @ 14.696 1,476.1
DRY BTU @ 14.730 1,479.5
DRY BTU @ 15.025 1,509.2

CYLINDER # 005
CYLINDER PRESSURE 22 PSIG
DATE RUN 12/22/00
ANALYSIS RUN BY AMY JUSTICE



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00008
CUST. NO. 33500- 10000

WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.
WELL NAME CAJON 8D1
COUNTY/STATE SAN JUAN UT
LOCATION ANETH
FIELD
FORMATION ISMAY
CUST.STN.NO. 202E311625

SOURCE N/A
PRESSURE 12 PSIG
SAMPLE TEMP 42 DEG.F
WELL FLOWING Y
DATE SAMPLED 12/21/00
SAMPLED BY FGM
FOREMAN/ENGR. STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.802	0.0000	0.00	0.0078
CO2	0.070	0.0000	0.00	0.0011
METHANE	58.781	0.0000	595.04	0.3256
ETHANE	18.008	4.8171	319.41	0.1870
PROPANE	12.630	3.4808	318.52	0.1923
I-BUTANE	1.567	0.5126	51.07	0.0314
N-BUTANE	4.747	1.4967	155.22	0.0953
I-PENTANE	0.925	0.3385	37.09	0.0230
N-PENTANE	1.207	0.4372	48.50	0.0301
HEXANE PLUS	1.263	0.5510	64.93	0.0406
TOTAL	100.000	11.6339	1,589.78	0.9341

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0065
BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,600.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,573.0
REAL SPECIFIC GRAVITY 0.9408

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,592.1
DRY BTU @ 14.696 1,597.1
DRY BTU @ 14.730 1,600.8
DRY BTU @ 15.025 1,632.9

CYLINDER # AZT047
CYLINDER PRESSURE 15 PSIG
DATE RUN 12/26/00
ANALYSIS RUN BY AMY JUSTICE

CQM, INC. ON-SITE GAS ANALYSIS

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410

505-333-2003

Source: ELKHORN FIELD SERVICE Report Date: 06/19/2001 14:36:40
 Station #: 78-144 Sample Date: 06/14/2001
 Station Name: MON/CAJON MESA Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S_1.MET

File: c:\mti\ezchrom\200\chrom\78_14406.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	0.989	0.000	0.010	
Methane	63.867	646.549	0.354	
CO2	0.044	0.000	0.001	
Ethane	15.724	278.896	0.163	4.205
H2S (APPROX)	0.000	0.000	0.000	
Propane	9.810	247.400	0.149	2.703
i-Butane	1.181	38.494	0.024	0.386
n-Butane	3.638	118.957	0.073	1.147
i-Pentane	0.900	36.091	0.022	0.329
n-Pentane	1.247	50.107	0.031	0.452
Hexanes	1.943	92.621	0.058	0.799
Heptanes	0.514	28.348	0.018	0.237
Octanes	0.143	8.957	0.006	0.073
Nonanes	0.000	0.000	0.000	

Ideal Total 100.000 1546.420 0.908 10.332
 Unnormalized Total 108.337

Gross BTU/Real Cu. Ft.

(@ 60 deg F, 14.730)

Dry = 1555.948

Sat. = 1530.436

Actual = 1555.948

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 2.703

Butane GPM = 1.533

Gasoline GPM = 1.890

26# Gasoline GPM = 3.037

Total GPM = 10.332

Real Relative Density Calculated = 0.9133

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9939



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. HSC00018
CUST. NO. 33500- 10035

WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.
WELL NAME BIG SKY 6E
COUNTY/ STATE SAN JUAN UT
LOCATION ANETH
FIELD
FORMATION
CUST.STN.NO. 202E430640

SOURCE N/A
PRESSURE 17 PSIG
SAMPLE TEMP 21 DEG.F
WELL FLOWING Y
DATE SAMPLED 12/23/00
SAMPLED BY FGM
FOREMAN/ENGR. STEVEN J. MANSUR

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.658	0.0000	0.00	0.0160
CO2	0.037	0.0000	0.00	0.0006
METHANE	66.226	0.0000	670.41	0.3668
ETHANE	17.222	4.6069	305.47	0.1788
PROPANE	9.526	2.6254	240.24	0.1450
I-BUTANE	1.012	0.3310	32.99	0.0203
N-BUTANE	2.724	0.8589	89.07	0.0547
I-PENTANE	0.496	0.1815	19.89	0.0124
N-PENTANE	0.553	0.2003	22.22	0.0138
HEXANE PLUS	0.546	0.2382	28.07	0.0176
TOTAL	100.000	9.0422	1,408.36	0.8260

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0048
BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,415.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,390.8
REAL SPECIFIC GRAVITY 0.8302

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,407.7
DRY BTU @ 14.696 1,412.2
DRY BTU @ 14.730 1,415.4
DRY BTU @ 15.025 1,443.8

CYLINDER # 007
CYLINDER PRESSURE 17 PSIG
DATE RUN 12/28/00
ANALYSIS RUN BY GINA HANON

CQM, INC.

1427 W. AZTEC, BLVD. #3 AZTEC, NM 87410
505-333-2003

Source: ELKHORN FIELD SERVICE Report Date: 06/19/2001 12:14:41
 Station #: 78-132 Sample Date: 06/13/2001
 Station Name: HILLSIDE 6-C *Big Sky* Flowing Pressure: 0 psig
 Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\sour2.met
 File: c:\mti\ezchrom\200\chrom\78_13206.1

Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.876	0.000	0.018	
Methane	65.826	666.381	0.365	
CO2	0.039	0.000	0.001	
Ethane	16.765	297.360	0.174	4.484
H2S (approx)	0.000	0.000	0.000	
Propane	9.827	247.829	0.150	2.708
i-Butane	0.865	28.194	0.017	0.283
n-Butane	2.514	82.204	0.050	0.793
i-Pentane	0.633	25.384	0.016	0.229
n-Pentane	0.787	31.623	0.020	0.288
Hexanes	0.689	32.844	0.021	0.283
Heptanes	0.166	9.155	0.006	0.077
Octanes	0.013	0.814	0.001	0.007

Ideal Total 100.000 1421.788 0.837 9.151
 Unnormalized Total 94.894

Gross BTU/Real Cu. Ft.

(@ 60 deg F, 14.730)

Dry = 1428.837

Sat. = 1405.444

Actual = 1428.837

(0.000 lbs. water/MMCF)

Gasoline Content

Propane GPM = 2.708

Butane GPM = 1.076

Gasoline GPM = 0.884

26# Gasoline GPM = 1.676

Total GPM = 9.151

Real Relative Density Calculated = 0.8408

On-Site Relative Density = 0.0000

Gas Compressibility = 0.9951

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☒ Well File _____

(Loc.) Sec _____ Twp _____ Rng _____
(API No.) _____

☐ Suspense
(Return Date) _____
(To-Initials) _____

☐ Other

1. Date of Phone Call: 9/12/01 Time: 9:50

2. DOGM Employee (name) Dustin Doucet (☐ Initiated Call)
Talked to:
Name Wayne Townsend (☐ Initiated Call) - Phone No. (505) 599 6359
of (Company/Organization) BLM

3. Topic of Conversation: Gas Flaring in Aneth area - bad western
Gas Resources Pipeline

4. Highlights of Conversation: Wayne has had several meetings with
Navajo Nation, Navajo EPA, Navajo minerals, Navajo Health and Human Services,
the Department of Justice, US EPA, Texaco, Exxon-Mobil, western Gas & the
Red Mesa & Aneth chapters. 12.5 miles of pipeline (downstream from
Aneth Plant) no good. Options: a) rebuild 12.5 miles of pipeline - ROW expires
2005 western's renegotiate with Navajo to extend ROW was denied [man choice], 1 month
to rebuild once OK given from Navajo etc. b) Use 20" Questar oil pipeline [1950's - 1990]
c) Use 6" Coroco Line - convert to gas and truck liquids from plant - takes broke down 9/11/01.
Everyone in agreement to keep wells producing - some verbal complaints from public, nothing
in writing yet. Red Mesa & Aneth chapters wanted full shut-in. Current plan: EPA sending
Letter today to flare gas thru Plant (gas will be metered). The gas will be counted as
cost gas - no royalty due - because out of control of companies (producers). H₂S and other
safety monitors will be set up around plant and monitor health risks, etc. - BLM
has approved all flaring until Oct. 15, 2001 associated w/ this matter. Probably
won't be back into operation before then though.

RIM SOUTHWEST CORPORATION

			ESTIMATED GAS	
			VENTED	
LEASE NUMBER	WELL NAME	SEC-TWN-RNG	MCF/DAY	
1420603373	Big Sky 6E (6L)	06-42S-25E	19	43-037-31714
NOC 14205297				
(NMNM 5756)	Monument 8N-2	08-40S-25E	18	43-037-31509
(NMNM 5757)	Cajon Mesa 8D-1	08-40S-25E	0	43-037-31497
NOG 8308-1033	Navajo Tribal 23-13	13-40S-24E	23	43-037-30971
	Navajo Tribal 14-10	10-40S-24E	1	43-037-30977
	Navajo Tribal 41-2	02-42S-24E	8	43-037-31041
	Navajo Tribal 32-26	26-40S-22E	8	43-037-31060
NOG 8707-1162	Sahgzie #1	05-42S-24E	16	43-037-31472
	Anasazi #1	05-42S-24E	67	43-037-31478
NOG 8707-1170	Runway 10G-1	10-40S-25E	SI	43-037-31515
	Runway 10C-5A	10-40S-25E	SI	43-037-31597
NOG 8707-1190	Runway 10E-2	10-40S-25E	17	43-037-31550
NOG 8707-1191	Monument 17E-2	17-40S-25e	0	43-037-31547
NOG 8707-1206	Blue Hogan 1J-1	01-42S-23E	27	43-037-31562
	Brown Hogan 1A-2	01-42S-23E	18	43-037-31573
NOG 8707-12321	Burro 31-1	31-41S-24E	1	43-037-31708
	Jack 31G	31-41S-24E	SI	43-037-31709
	Mule 31K (N)	31-41S-24E	7	43-037-31617
	Mule 31M	31-41S-24E	24	43-037-31710
		TOTAL AVERAGE	254	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

RIM SOUTHWEST CORPORATION

3a. Address

87499

P.O. Box 145, Farmington, NM

3b. Phone No. (include area code)

(505) 327-5531

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

5. Lease Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

Navajo Nation

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
San Juan county
Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Vent/Flare</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Gas</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please be advised that RIM Southwest Corporation is requesting additional approval to continue to vent/flare gas from the attached wells until December 1, 2001 or until the Aneth plant is put back on line, whichever occurs first. Please reference our previous sundry notice dated 8/29/01 which gave approval for this action through October 15, 2001.

Attachment
Accepted by the
Utah Division of
Oil, Gas and Mining

COPY SENT TO OPERATOR

Date: 11/19/01

Initials: [Signature]

cc: State of Utah
Navajo Nation-Minerals
Navajo Nation EPA-Air
Quality
BIA - Gallup, NM

Date: 11/19/01

By: [Signature]

Ex: Dec. 1, 2001

Federal Approval of this
Action is Necessary

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

W. J. Holcomb

Title Vice President

Signature

[Signature]

Date 11/01/01

RECEIVED

NOV 09 2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

DIVISION OF
OIL, GAS AND MINING

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FILE

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

RIM SOUTHWEST CORPORATION

3a. Address

87499

3b. Phone No. (include area code)

P.O. Box 145, Farmington, NM

(505) 327-5531

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

5. Lease Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

Navajo Nation

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

**San Juan County
Utah**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Flare Gas
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please be advised that as of approximately 3:00 p.m. Thursday, November 15, 2001 the attached wells were put back on line for gas sales through the Aneth pipeline/plant.

CC: State of Utah

Navajo Nation-Minerals
Navajo Nation EPA - Air Quality
BIA - Gallup, NM

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

W. J. Holcomb

Title **Vice President**

Signature

[Handwritten Signature]

Date **11/19/01**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

RECEIVED

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

NOV 23 2001

Office

**DIVISION OF
OIL, GAS AND MINING**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RIM SOUTHWEST CORPORATION

			ESTIMATED GAS	
			VENTED	
LEASE NUMBER	WELL NAME	SEC-TWN-RNG	MCF/DAY	
1420603373	Big Sky 6E (6L)	06-42S-25E	19	43-037-31714
NOC 14205297				
(NMNM 5756)	Monument 8N-2	08-40S-25E	18	43-037-31509
(NMNM 5757)	Cajon Mesa 8D-1	08-40S-25E	0	43-037-31497
NOG 8308-1033	Navajo Tribal 23-13	13-40S-24E	23	43-037-30971
	Navajo Tribal 14-10	10-40S-24E	1	43-037-30977
	Navajo Tribal 41-2	02-42S-24E	8	43-037-31041
	Navajo Tribal 32-26	26-40S-22E	8	43-037-31060
NOG 8707-1162	Sahzie #1	05-42S-24E	16	43-037-31472
	Anasazi #1	05-42S-24E	67	43-037-31478
NOG 8707-1170	Runway 10G-1	10-40S-25E	SI	43-037-31515
	Runway 10C-5A	10-40S-25E	SI	43-037-31597
NOG 8707-1190	Runway 10E-2	10-40S-25E	17	43-037-31550
NOG 8707-1191	Monument 17E-2	17-40S-25e	0	43-037-31547
NOG 8707-1206	Blue Hogan 1J-1	01-42S-23E	27	43-037-31562
	Brown Hogan 1A-2	01-42S-23E	18	43-037-31573
NOG 8707-12321	Burro 31-1	31-41S-24E	1	43-037-31708
	Jack 31G	31-41S-24E	SI	43-037-31709
	Mule 31K (N)	31-41S-24E	7	43-037-31617
	Mule 31M	31-41S-24E	24	43-037-31710
	TOTAL AVERAGE		254	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

NOG-8308-1033

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Navajo Nation

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Navajo Tribal 14-10

9. API NUMBER:

4303730977

10. FIELD AND POOL, OR WILDCAT:

Greater Aneth

1. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

RIM Southwest Corporation

3. ADDRESS OF OPERATOR:

5 Inverness Drive E.

CITY

Englewood

STATE

CO

ZIP

80112

PHONE NUMBER:

(303) 799-9828

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 250 FSL & 460 FWL

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 10 40S 24E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Operator on the above oil well has changed effective November 1, 2003:

Old Operator: RIM Southwest Corporation
5 Inverness Drive East
Englewood Colorado, 80112
(303) 799-9828

New Operator: Navajo Nation Oil & Gas Co., Inc.
Post Office Box 4439
Window Rock, Arizona 86515
(928) 871-4880

NAME (PLEASE PRINT)

Rene' Morin

TITLE

Vice President

SIGNATURE

DATE

11/1/2003

(This space for State use only)

RECEIVED

JAN 20 2004

DIV. OF OIL, GAS & MINING

1. GLH
2. CDW
3. FILE

Designation of Agent/Operator

Merger

11/1/2003

TO: (New Operator):
N2550-Navajo Nation Oil & Gas Co., Inc.
PO Box 4439
Window Rock, AZ 86515
Phone: 1-(928) 871-4880

Unit:

WELL(S)[illegible]

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/20/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 1/20/2004
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/31/2004
4. Is the new operator registered in the State of Utah: YES Business Number: * called for
5. If **NO**, the operator was contacted contacted on: * 3/31/2004

6. (R649-9-2)Waste Management Plan has been received on: * called for

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA 12/1/2003

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 12/12/03*
* EPA approval per their jurisdiction and their permit.

DATA ENTRY:

- Changes entered in the Oil and Gas Database on: 3/31/2004
- Changes have been entered on the Monthly Operator Change Spread Sheet on: 3/31/2004
- Bond information entered in RBDMS on: N/A
- Fee wells attached to bond in RBDMS on: N/A
- Injection Projects to new operator in RBDMS on: 3/31/2004
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

STATE WELL(S) BOND VERIFICATION:

- State well(s) covered by Bond Number: n/a

FEDERAL WELL(S) BOND VERIFICATION:

- Federal well(s) covered by Bond Number: n/a

INDIAN WELL(S) BOND VERIFICATION:

- Indian well(s) covered by Bond Number: RLB0006761 and RLB0006210 for injection well

FEE WELL(S) BOND VERIFICATION:

- (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number n/a
- The FORMER operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Rim SW lost lease; Navajo Nation Oil & Gas obtained lease

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NOG 8308-1033

6. If Indian, Allottee or Tribe Name
Navajo Tribal

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Navajo Nation Oil & Gas Co.

3a. Address
P.O. Box 4439, Window Rock, AZ 86515

3b. Phone No. (include area code)
(928) 871-4880

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
Navajo Tribal 14-10

9. API Well No.
43-037-30977

10. Field and Pool or Exploratory Area
Greater Aneth

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
250' FSL 460' FWL
SW SW, Sec. 10 T40S, R24E

11. Country or Parish, State
San Juan, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Site Security</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Diagram</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Attached is the current site security diagram for Navajo Tribal 14-10.

cc:
state of utah Division of oil & Gas Mining
~~Navajo Nation Minerals~~
BLM (4 copies)

RECEIVED

OCT 05 2009

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
John C. Hatch

Title Operations Engineer - Navajo Nation Oil & Gas Co.

Signature

Date 09/30/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**Navajo Nation Oil & Gas Co
Tank battery Site Security Diagram**

Navajo Tribal Well: 14-10

Lease No.: NOG 8308-1033

Location: SW SW, Sec. 10, T40S-R24E

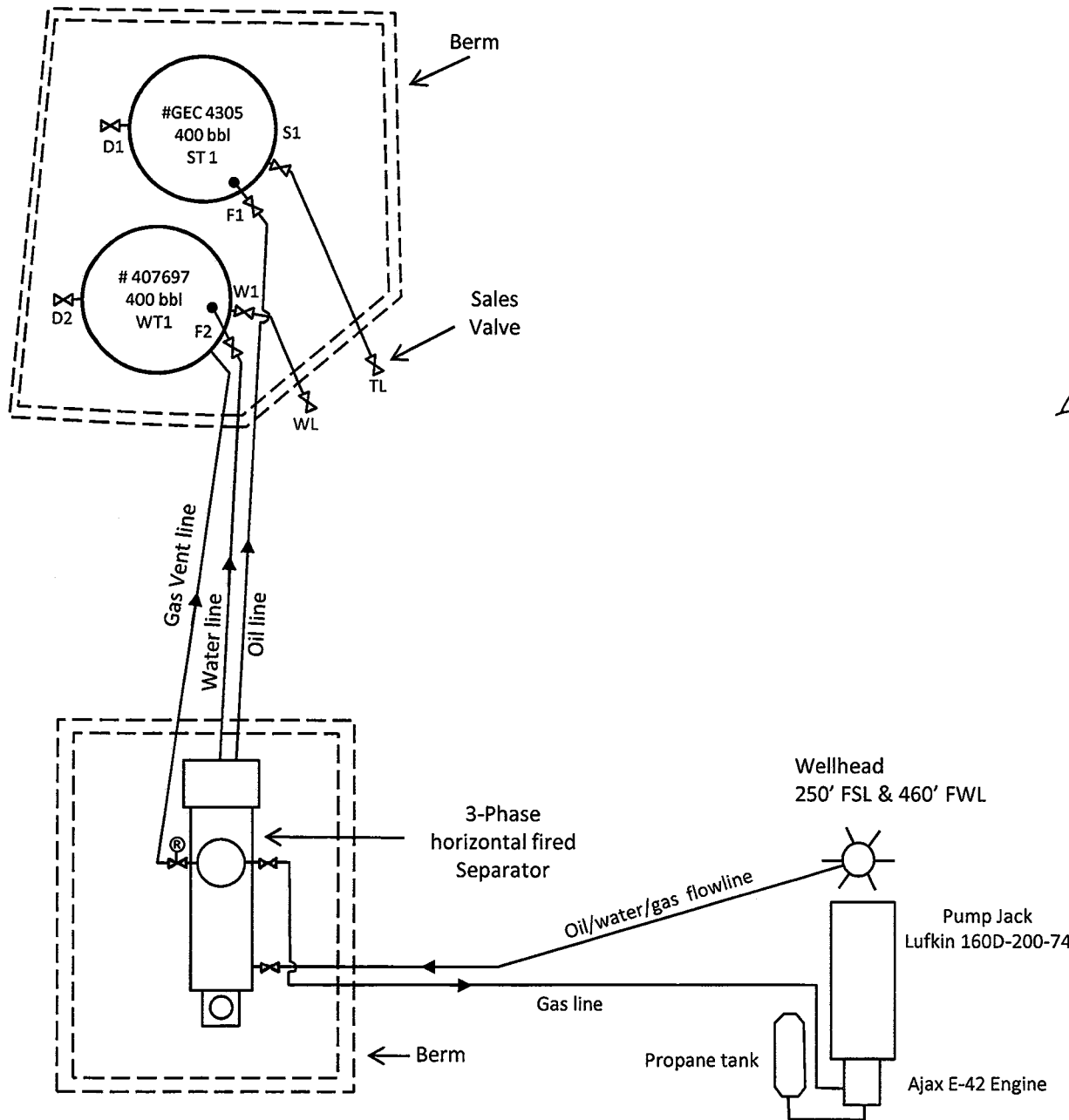
County: San Juan State: UT

Valve Sealing Status:

1. To fill into tank #GEC 4305 (ST 1)
 - a. Valve F1 is open
 - b. Valves D1, S1 closed
 - c. When tank is full, valve F1 is closed & sealed.
2. To sell oil from GEC 4305 (ST 1)
 - a. Purchaser (Western Refining) breaks seal & opens valve S1 and opens unsealed valve TL. After tank is emptied, valve S1 is closed and sealed. Valve TL is closed.

Valve Sealing Status:

1. Draining Activity
 - a. All valves on tank #4305 are closed & sealed.
 - b. Drain valve D1 is opened.



Note: There are no gas sales

RECEIVED
OCT 05 2009
 DIV. OF OIL, GAS & MINING

**SITE SECURITY PLAN
SE UTAH AREA
San Juan County, Utah**

RECEIVED

OCT 05 2009

DIV. OF OIL, GAS & MINING

The following Site Security Plan will be sufficient to comply with the minimum standards outlined in Vol. 54, No. 36 Section 221.37 of the Federal Register published February 24, 1989, BLM 43CFR3160, Onshore Oil and Gas Order No. 3, Site Security (Attached).

All appropriate valves on lines entering or leaving oil storage tanks will be effectively sealed during the production phase and during the sales phase. The piping and connections in a closed system which are tamper proof or tamper resistant are essentially protected from unauthorized or undocumented entry, but the piping and connections in an open system will be protected. For a minimum of six (6) years The Navajo Nation Oil and Gas Company will maintain a record of seal numbers used and will document on which valve or connections they were used as well as when they were installed and removed. The site facility diagram(s) show(s) which valves are sealed in which positions during both the producing and sales phase.

Where oil is sold via hand gauged volumes, The Navajo Nation Oil and Gas Company will minimize the time that oil is stored on leases to that time needed to accumulate an economic oil run. The Navajo Nation Oil and Gas Company retains oil needed for use on the lease and to provide for delivery of royalty oil.

The Navajo Nation Oil and Gas Company will deal promptly with any accumulations of oil in pits or tanks in accordance with the provisions of applicable NTL's or onshore orders.

The Navajo Nation Oil and Gas Company, with reasonable frequency (daily), will regularly inspect all leases, units, and communitized areas to determine site security and production volumes. The Navajo Nation Oil and Gas Company will retain records of such inspections and measurements for six (6) years. Such records and measurements will be available to any authorized representative upon request.

All facilities at which oil is stored are clearly identified with a sign that contains the name of the operator, the lease serial number (or communitization or unit agreement identification), section, township, and range. On Indian leases, the sign will also include the name of the appropriate tribe and whether the lease is tribal or allotted. In addition, each storage tank is clearly identified by a unique number. The identification will be maintained in legible condition and is clearly apparent to any person at or approaching the sales or transportation point. With regard to the quarter-quarter designation and the unique tank number, any such designation established by State Law or rule will satisfy this requirement.

Any facility identification which is in existence on the effective date of this rule and which meets the basic information herein will satisfy this paragraph until such sign is replaced.

Any person removing oil from a facility by motor vehicle shall possess identification documentation required by applicable NTL's or onshore orders while the oil is being removed and transported.

Theft or mishandling of oil from Federal or Indian lease will be reported to the authorized officer as soon as discovered but not later than the next business day. Said report shall include an estimate of the volume of oil involved. The Navajo Nation Oil and Gas Company will also report such thefts promptly to local law enforcement agencies and internal company security.

RECEIVED

OCT 05 2009

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

8/1/2010

FROM: (Old Operator): N2550- Navajo Oil & Gas Cp. 1625 Broadway, Suite 1100 Denver, CO 80202 Phone: 1 (303) 534-8300	TO: (New Operator): N3930- NNOGC Exploration & Production, LLC 1625 Broadway, Suite 1000 Denver, CO 80202 Phone: 1 (303)534-8300
---	--

CA No.				Unit:	N/A			
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/19/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/19/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 12/31/2012
- 4a. Is the new operator registered in the State of Utah: _____ Business Number: 8399948-0165
- 5a. (R649-9-2)Waste Management Plan has been received on: Not Yet
- 5b. Inspections of LA PA state/fee well sites complete on: 12/31/2102
- 5c. Reports current for Production/Disposition & Sundries on: 12/31/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA 8/1/2012
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/1/2010
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 12/31/2102
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/31/2012
- Bond information entered in RBDMS on: 12/31/2012
- Fee/State wells attached to bond in RBDMS on: 12/31/2012
- Injection Projects to new operator in RBDMS on: 12/31/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: 12/31/2012

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: N/A
- Indian well(s) covered by Bond Number: RLB0006712
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number N/A
- 3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Navajo Nations Oil Gas Co. (N2550) to NNOGC Exploration Production, LLC (N3930)
Effective 8/1/2012

Well Name	Sec	TWP	RNG	API	Entity	Lease	Well Type	Well Status
TOHONADLA 26-OSCAR	26	410S	210E	4303750022		Indian	OW	APD
TOHONADLA 35-F	35	410S	210E	4303750024		Indian	OW	APD
TOHONADLA 2-G	02	420S	210E	4303750027		Indian	OW	APD
TOHONADLA 2-B	02	420S	210E	4303750028		Indian	OW	APD
TOHONADLA 1-C	01	420S	210E	4303750029		Indian	OW	APD
TOHONADLA 2-BRAVO	02	420S	210E	4303750030		Indian	OW	APD
TOHONADLA 1-F	01	420S	210E	4303750031		Indian	OW	APD
TOHONADLA 2-H	02	420S	210E	4303750032		Indian	OW	APD
TOHONADLA 1-Delta	01	420S	210E	4303750033		Indian	OW	APD
TOHONADLA 35-INDIGO	35	410S	210E	4303750034		Indian	OW	APD
TOHONADLA 35-J	35	410S	210E	4303750035		Indian	OW	APD
UTE CANYON 25G-O	25	410S	210E	4303731913	18823	Indian	OW	DRL
TOHONADLA 35-B	35	410S	210E	4303750023	18824	Indian	OW	DRL
UTE CYN 23-INDIGO	23	410S	210E	4303731880		Indian	OW	LA
TOHONADLA 35-P	35	410S	210E	4303731886		Indian	OW	LA
TOHONADLA 1-E	01	420S	210E	4303731887		Indian	OW	LA
TOHONADLA 1-D	01	420S	210E	4303731888		Indian	OW	LA
TOHONADLA 26-O	26	410S	210E	4303731896		Indian	OW	LA
UTE CYN 23-INDIGO	23	410S	210E	4303731911		Indian	OW	LA
NAVAJO TR 23-1	02	420S	210E	4303715540	6230	Indian	OW	P
DESERT CREEK 2	35	410S	230E	4303715868	6270	Indian	OW	P
TOHONADLA 1	35	410S	210E	4303715872	11202	Indian	OW	P
TOHONADLA 23-35	35	410S	210E	4303715874	11202	Indian	OW	P
NAVAJO TRIBAL 23-13	13	400S	240E	4303730971	9420	Indian	OW	P
NAVAJO TRIBAL 14-10	10	400S	240E	4303730977	10130	Indian	OW	P
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
TOHONADLA 2-35	35	410S	210E	4303731568	11202	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
TOHONADLA 35-P	35	410S	210E	4303750005	11202	Indian	OW	P
TOHONADLA 1-E	01	420S	210E	4303750006	6230	Indian	OW	P
NAVAJO TRIBAL 41-2	02	420S	240E	4303731041	9437	Indian	OW	PA
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	S
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	S
UTE CYN 23-P	23	410S	210E	4303731881	17282	Indian	OW	S

NAVAJO NATION OIL & GAS COMPANY

EXPLORATION & PRODUCTION LLC

1675 Broadway, Suite 1100 • Denver, Colorado • 80202

Telephone (303) 534-8300 • FAX (303) 534-1405



September 18, 2012

Utah Division of Oil, Gas and Mining
c/o Rachel Medina
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

RECEIVED
SEP 19 2012
DIV. OF OIL, GAS & MINING

RE: Change of Operator Name and Address for Wells

Dear Rachel,

I am including with this letter several original FORM 9 to change the operator on wells. This probably will be done in two steps.

1. (16 wells) Change of Operator from RIM Southwest Corporation to Navajo Nation Oil & Gas Co.
2. (Same 16 wells) Change of Operator from Navajo Nation Oil & Gas Co. to NNOGC Exploration and Production, LLC.

We have recently registered our LLC with the State of Utah. The Utah Entity Number for NNOGC Exploration and Production, LLC is: 8399948-0165. Also, a new DOGM No. has been applied for for the LLC.

The name and address change is as follows:

OLD: Navajo Nation Oil & Gas Co.
1675 Broadway, Suite 1100
Denver, CO 80202
(DOGM Operator No. N2550)

NEW: NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

Should you require any additional information please contact me at 303-534-8300.

Sincerely,

Katie Hynes
Associate Landman

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
Navajo Nation Oil & Gas Co.

3. ADDRESS OF OPERATOR:
1675 Broadway, Suite 1100 CITY Denver STATE CO ZIP 80202

PHONE NUMBER:
(303) 534-8300

4. LOCATION OF WELL
FOOTAGES AT SURFACE: See Attached List

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

5. LEASE DESIGNATION AND SERIAL NUMBER:
See Attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Navajo Nation

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
See Attached

9. API NUMBER:
Various

10. FIELD AND POOL, OR WILDCAT:
Various

COUNTY: San Juan

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Navajo Nation Oil and Gas Co. has registered its new entity with the State of Utah. The Operator Name and Address change applies to all wells currently operated by DOGm No. N2550 (see attachment).

The Utah Entity Number for the LLC is: 8399948-0165.

The new Entity is:

NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

NEW DOGm No.: 3930

Bond No. RLB0006712

Effective: July 10, 2010

NAME (PLEASE PRINT) Lauren Germinario

TITLE Land Manager

SIGNATURE

APPROVED

9/14/12

(This space for State use only)

DEC 31 2012

RECEIVED

DIV. OIL GAS & MINING
BY: Rachel Medina

SEP 17 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached
2. NAME OF OPERATOR: Navajo Nation Oil & Gas Co		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Nation
3. ADDRESS OF OPERATOR: P.O. Box 5069 CITY Window Rock STATE AZ ZIP 86515		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: See Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: Various
		10. FIELD AND POOL, OR WILDCAT: Various
		COUNTY: San Juan
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input checked="" type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Navajo Nation Oil & Gas Co. has registered its new entity with the State of Utah. The name and address change applies to all the wells that have recently changed from RIM Southwest Corporation to Navajo Nation Oil & Gas Co. (DOGM No. N2550)

The Utah Entity Number for the LLC is: 8399948-0165

Note: A new DOGM No. has been applied for NNOGC Exploration and Production, LLC

Please see the attached list of wells that will now be operated by:

NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202

All of these wells are covered by Bond No. RLB0006712

Effective: Aug 1, 2012

NAME (PLEASE PRINT) Lauren Germinario	TITLE Land Manager
SIGNATURE <i>Lauren Germinario</i>	DATE 9/18/2012

(This space for State use only) **APPROVED**

DEC 31 2012

DIV. OIL GAS & MINING

BY: *Rachael Medina*

(See Instructions on Reverse Side)

RECEIVED
SEP 19 2012
DIV. OF OIL GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: NOG-8308-1033
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
2. NAME OF OPERATOR: NNOGC EXPLORATION & PRODUCTION, LLC		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1625 Broadway, Suite 1000, Denver, CO, 80202		8. WELL NAME and NUMBER: NAVAJO TRIBAL 14-10
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0250 FSL 0460 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 10 Township: 40.0S Range: 24.0E Meridian: S		9. API NUMBER: 43037309770000
PHONE NUMBER: 303 910-9525 Ext		9. FIELD and POOL or WILDCAT: GREATER ANETH
COUNTY: SAN JUAN		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/9/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input checked="" type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. After receiving verbal approval from Steve Mason (BLM) on 11/7/2012, moved out Key Energy - Rig #12 and P&A well as follows: Set CICR at 5500'. Mix & pump 107 sx (123cf) below retainer before pressure increased to 1900 psi, sting out leaving 108 sx (124 cf) of cement on top of retainer. SDON, TIH & tag cement at 5290'. Pull & spot 20 sx (23cf) of cement f' 4633'-4483'. (Hermosa top at 4589'). TOH. Perforate (2 spf) at 1600'. Set CICR at 1550'. Open braden head - no flow. Mix & pump 65 sx (74.8 cf) of cement below retainer, stated circulating out braden head. Continued pumping cement. Pumped a total of 104 bbls of cement (495 sx/ 569 cf) but never got cement to surface through braden head. Sting out of retainer leaving - 71 sx (82 cf) of cement on top of retainer. Pull up & reverse hole clean at 1100'. TOH & SDON. RIH w/ perf guns & tag top of cement at 1101'. Pull up and perforate 2 spf at 130'. Mix & pump 61 sx (70cf) to surface through braden head and filling casing to surface. WOC. Cut off casing 3.5' below surface and install P&A marker. Cut off rig anchors & back fill hole. Finish operations 11/9/2012. Note: received verbal approval from Steve Mason to proceed with P&A operations on 11/7/2012. Davis Benallie w/ NNEPA witnessed P&A operations.		
NAME (PLEASE PRINT) Timothy Phillips		PHONE NUMBER 505 599-6060
SIGNATURE N/A		TITLE Petroleum Engineer
DATE 5/22/2014		

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 May 22, 2014

Reset Form

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: NOG 8308-1033
2. NAME OF OPERATOR: NAVAJO NATION OIL AND GAS COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO NATION
3. ADDRESS OF OPERATOR: P.O. BOX 4439 CITY WINDOW ROCK STATE AZ ZIP 86515		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 250' FSL 460'FWL		8. WELL NAME and NUMBER: NAVAJO TRIBAL 14-10
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 10 40S 24E		9. API NUMBER: 4303730977
COUNTY: SAN JUAN		10. FIELD AND POOL, OR WILDCAT: GREATER ANETH FIELD
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 11/9/2012	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

After receiving verbal approval from Steve Mason (BLM) on 11/7/2012, moved out Key Energy - Rig #12 and P&A well as follows: Set CICR at 5500'. Mix & pump 107 sx (123cf) below retainer before pressure increased to 1900 psi, sting out leaving 108 sx (124 cf) of cement on top of retainer. SDON, TIH & tag cement at 5290'. Pull & spot 20 sx (23cf) of cement f' 4633'-4483'. (Hermosa top at 4589'). TOH. Perforate (2 spf) at 1600'. Set CICR at 1550'. Open braden head - no flow. Mix & pump 65 sx (74.8 cf) of cement below retainer, stated circulating out braden head. Continued pumping cement. Pumped a total of 104 bbls of cement (495 sx/ 569 cf) but never got cement to surface through braden head. Sting out of retainer leaving - 71 sx (82 cf) of cement on top of retainer. Pull up & reverse hole clean at 1100'. TOH & SDON. RIH w/ perf guns & tag top of cement at 1101'. Pull up and perforate 2 spf at 130'. Mix & pump 61 sx (70cf) to surface through braden head and filling casing to surface. WOC. Cut off casing 3.5' below surface and install P&A marker. Cut off rig anchors & back fill hole. Finish operations 11/9/2012.

Note: received verbal approval from Steve Mason to proceed with P&A operations on 11/7/2012. Davis Benallie w/ NNEPA witnessed P&A operations.

NAME (PLEASE PRINT) <u>Tim Phillips</u>	TITLE <u>Engineer</u>
SIGNATURE <u>Tim Phillips</u>	DATE <u>5/22/2014</u>

(This space for State use only)

INSTRUCTIONS

This form shall be submitted by the operator to show the intention and/or completion of the following:

- miscellaneous work projects and actions for which other specific report forms do not exist;
- all other work and events as identified in section 11, Type of Action, or as required by the Utah Oil and Gas Conservation General Rules, including:
 - minor deepening of an existing well bore,
 - plugging back a well,
 - recompleting to a different producing formation within an existing well bore (intent only),
 - reperfing the current producing formation,
 - drilling a sidetrack to repair a well,
 - reporting monthly the status of each drilling well.

This form is not to be used for proposals to

- drill new wells,
- reenter previously plugged and abandoned wells,
- significantly deepen existing wells below their current bottom-hole depth,
- drill horizontal laterals from an existing well bore,
- drill hydrocarbon exploratory holes such as core samples and stratigraphic tests.

Use Form 3, Application for Permit to Drill (APD) for such proposals.

NOTICE OF INTENT - A notice of intention to do work on a well or to change plans previously approved shall be submitted in duplicate and must be received and approved by the division before the work is commenced. The operator is responsible for receipt of the notice by the division in ample time for proper consideration and action. In cases of emergency, the operator may obtain verbal approval to commence work. Within five days after receiving verbal approval, the operator shall submit a Sundry Notice describing the work and acknowledging the verbal approval.

SUBSEQUENT REPORT - A subsequent report shall be submitted to the division within 30 days of the completion of the outlined work. Specific details of the work performed should be provided, including dates, well depths, placement of plugs, etc.

WELL ABANDONMENT - Proposals to abandon a well and subsequent reports of abandonment should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, and method of parting of any casing, liner, or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

In addition to any Sundry Notice forms submitted, **Form 8, Well Completion or Recompletion Report and Log** must be submitted to the division to report the results of the following operations:

- completing or plugging a new well,
- reentering a previously plugged and abandoned well,
- significantly deepening an existing well bore below the current bottom-hole depth,
- drilling horizontal laterals from an existing well bore,
- drilling hydrocarbon exploratory holes such as core samples and stratigraphic tests,
- recompleting to a different producing formation.

Send to:

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

**Navajo Tribal 14-10
Greater Aneth Field
San Juan County, UT
API # 43-037-30977**

11/3/2012

Spud Date: 1/8/1985

Surface Casing: 8 $\frac{5}{8}$ " 24# J55 @1549', cmt circ to surface

Production Casing: 5 $\frac{1}{2}$ " 15.5# J55 @ 5,820'
TOC behind pipe @ \approx 4,100' by temp survey

Tubing: 2 $\frac{7}{8}$ " 6.5# J55 EUE 8 Rd (177 jts)
Tubing anchor @ 5,519'
End of tubing @ 5,713'

Rods: 56 $\frac{7}{8}$ " rods
171 $\frac{3}{4}$ " rods

Perforations: 5,576' - 82' (6')
5,620' - 28' (8')

PBTD: 5,763'

Recommended P&A Procedure (General)

1. Obtain verbal approval for emergency P&A from the State of Utah, Department of Natural Resources, Oil, Gas & Mining Division. A copy of Utah Statewide rule R649-3-24 Plugging and Abandonment of Wells is attached for reference.
2. Build 200 Bbls of good quality 18.0 ppg water based mud. Please note in previous communications I have been referring to an 18.0 ppg mud weight to kill the well. Resolute field personnel should be consulted on this matter to determine historical mud weights used in similar situations in the past. Use a mud weight of adequate density to kill and maintain control of the well to assure safe wellsite operations to abandon the well. The table shown below has been constructed to show the hydrostatic pressure (psi) that a column of mud (ppg) exerts at the perforations. A column of 18.0 ppg mud will exert 5,243 psi at 5,602' (mid perf). 15.0 ppg mud will exert 4,370 psi at 5.602' (mid perf), etc.

Perfs @ 5,576' - 82' (6')
 5,620' - 28' (8')
 52' gross height between top perf & bottom perf
 5,602' mid perf

Hydrostatic head (psi) of a column of mud (ppg) exerted at a depth (feet)												
Depth ↓	Mud Weight (ppg)											
	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5
Top Perf	5,576	3,769	3,914	4,059	4,204	4,349	4,494	4,639	4,784	4,929	5,074	5,219
	5,582	3,773	3,919	4,064	4,209	4,354	4,499	4,644	4,789	4,934	5,080	5,225
Mid Perf	5,602	3,787	3,933	4,078	4,224	4,370	4,515	4,661	4,807	4,952	5,098	5,243
	5,620	3,799	3,945	4,091	4,237	4,384	4,530	4,676	4,822	4,968	5,114	5,260
Btm Perf	5,628	3,805	3,951	4,097	4,244	4,390	4,536	4,682	4,829	4,975	5,121	5,268
												5,414

3. MIRU workover rig, pump truck and kill mud.
4. Tie into casing and lubricate kill mud down backside. Attempt to circulate up tubing.
5. POOH with rods and insert pump.
6. Release tubing anchor and POOH with tubing.
7. TIH with a tubing-set cement retainer. Set cement retainer at $\approx 5,500'$.
8. Pump a minimum of 150 sx cement below cement retainer.
9. Sting out of cement retainer and spot enough cement so top of plug is at 5344' (which includes 50 ft excess). **Upper Ismay at 5444'.**
10. TOH & WOC.
11. TIH & confirm cement top.
12. If top is OK, spot 150 ft cement plug from 4639' – 4489' (**Hermosa top 4589'**). ~ 17 sx (20 cf). Note: top of cement behind 5-1/2" from primary cement job is reported to be at $\sim 4100'$.
13. TOH & WOC.
14. RIH & perforate (2 spf) at 1600'.
15. TIH and set CICR at 1550' (8-5/8" surface casing reported to be set at 1549'). Mix and pump ~ 65 sx (77 cf). Cement inside casing needs to cover perf holes at 1600' to 1450' (which includes 50 ft excess) and out side casing from 1600' to 1450' (which includes 100% excess). Note: **top of Chinle formation is 1529'.**
16. RIH & perforate (2 spf) at 130'. *As per the new guidelines, dig out & open the braden head and check for flow (out the braden head) for 30 mins after perforating the 5-1/2" casing.* If well is flowing out braden head, notify office to conference with BLM. If no flow after 30 minutes, proceed to next step.
17. With the braden head open, establish injection rate from surface. Attempt to circulate out braden head. Mix & pump ~ 60 sx (71 cf) of cement (100%

excess to fill up 8-5/8"/5-1/2" annulus plus fill up 5-1/2" casing). If circulating out bradenhead continue pumping until good cement returns out bradenhead are achieved.

18. Top off inside if 5-1/2" casing w/ additional cement if necessary.
19. Cut off well head & install P&A marker.
20. Remove all surface facilities & pipelines as per the BLM COA's.
21. Re-contour && re-claim location as per BLM COA's.

Note: All cement volume calculations are based on a yield of 1.18 cf/sx. Actual volumes will need to be re-calculated and verified in the field depending upon actual cement type and additives.

Plug volumes were calculated to follow BLM guidelines of having 50 ft of cement above and below formation tops with 50 ft excess inside casing and 100% by volume excess outside casing.

John Thompson
NNOG
505.320.1748

Tribal Well 14-10 Wellbore Schematic

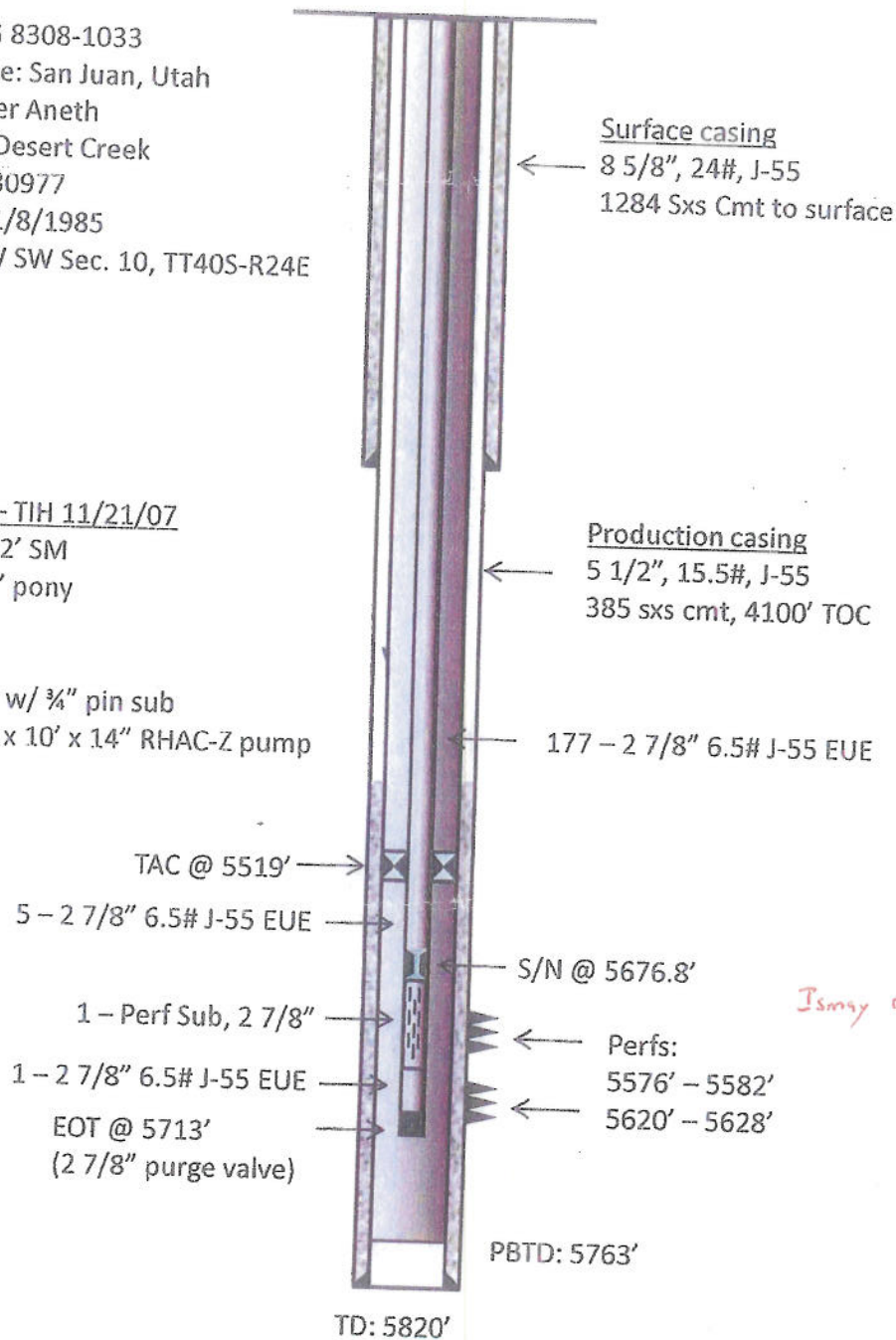


Elevation
GL: 4695'
KB: 4707'

Lease# NOG 8308-1033
County, State: San Juan, Utah
Field: Greater Aneth
Formation: Desert Creek
API# 4303730977
Spud Date: 1/8/1985
Location: SW SW Sec. 10, TT40S-R24E

Rod Detail - TIH 11/21/07

1 - 1 1/2" x 22' SM
1 - 7/8" x 6' pony
56 - 7/8"
171 - 3/4"
1 - 1" x 2.5' w/ 3/4" pin sub
2.5" x 1.25" x 10' x 14" RHAC-Z pump



Prepared by: JCH Date: 7-23-09